





Compliments of

James E. Dodge,

City Auditor

352.07426
7131 1907

SIXTY-SECOND ANNUAL REPORT

OF THE

135798

RECEIPTS AND EXPENDITURES

OF THE

CITY OF MANCHESTER

NEW HAMPSHIRE

FOR THE FISCAL YEAR ENDING

DECEMBER 31, 1907

TOGETHER WITH

OTHER ANNUAL REPORTS AND PAPERS RELATING TO
THE AFFAIRS OF THE CITY



MANCHESTER, N. H.

PRINTED BY THE JOHN B. CLARKE COMPANY



1908

MANCHESTER CITY GOVERNMENT, 1907.

Mayor.

EUGENE E. REED.....Office, City Hall

Chosen at biennial election in November, 1906. Salary, \$1,800 per annum, payable quarterly. (Act of June, 1848, section 1. Chapter 223, Laws of 1883. Public Statutes, chapter 47.)

Mayor's Clerk and Stenographer.—Susie E. Wason, 319 Hanover St.

Aldermen.

Ward 1. Ernest W. Wiesner, 19 Market street.

Ward 2. Joseph H. Geisel, 225 Ash street.

Ward 3. Fred O. Parnell, 327 Orange street.

Ward 4. Albert T. Barr, 336 Merrimack street.

Ward 5. Richard J. Barry, 232 Lake avenue.

Ward 6. Andrew B. Bunton, 311 Lake avenue.

Ward 7. Robert Edgar, 70 West Merrimack street.

Ward 8. James E. MacDonald, 154 Mast street.

Ward 9. Gedeon Lariviere, 29 Notre Dame avenue.

Ward 10. John J. Connor, 47 Elm street.

Salary \$3 per meeting, amount not to exceed \$200 annually.

Board of Common Council 1907.

William Parker Straw, President, corner Pleasant and Franklin streets.

Harry W. Spaulding, Clerk, 384 East High street.

WARD 1.

Louis Swanson, 42 Water street.

Richard J. Barry, 13 Boyden street.

Charles W. Richards, 36 Stark street.

WARD 2.

John A. Jaquith, 154 Blodget street.
Harry G. Clough, 102 Bay street.
Oscar F. Bartlett, 250 Harrison street.

WARD 3.

Francois V. Manseau, 482 Chestnut street.
James P. Brown, 462 Pine street.
Gustaf A. Oberg, 297 Bridge street.

WARD 4.

Albert J. Precourt, 15 Walnut street.
Maurice L. Hoitt, 394 Hanover street.
John W. Finn, 501 Wilson street.

WARD 5.

James H. Burns, 262 Auburn street.
Martin T. McHugh, 173 Grove street.
Joseph P. Kenney, 269 Chestnut street.

WARD 6.

Edwin A. Dunbar, 148 Massabesic street.
Edward A. G. Smith, 276 Lake avenue.
Harry B. Fisher, 752 Grove street.

WARD 7.

William Parker Straw, corner Pleasant and Franklin streets.
Herbert A. Salls, 12 West Merrimack street.
Robert Leggett, 8 West Merrimack street.

WARD 8.

Frank E. Eisanan, 79 Turner street.
Horace Holbrook, 285 Milford street.
Gustav F. Wenzel, 154 Second street.

WARD 9.

Edouard J. Oteau, 568 Main street.
Charles A. Picard, 25 Rimmon street.
Patrick J. O'Connell, 334 Main street.

WARD 10.

John M. Sullivan, R. F. D. No. 5.
Henry Lang, 176 Hall street.
Carlos K. Beadle, 1024 Brown avenue.
No salary.

Clerk of the Common Council.

Harry W. Spaulding, 384 East High street.

Salary, \$100. (General Laws, chapter 46, sections 7-9. City Laws and Ordinances, page 33; chapter 6, section 11.)

City Clerk.

Edward C. Smith.....Office, City Hall

Salary, \$1,350 and fees. (Laws, 1899, chapter 6.) Chosen in January, biennially, by board of aldermen. Residence, 900 Union street. Also clerk of all committees of the board of aldermen; salary, \$200.

City Clerk's Clerks.

Eva G. Jones.....City Clerk's Office, City Hall
Eva B. Larivee.....City Clerk's Office, City Hall

City Auditor.

James E. Dodge.....Office, City Hall

Salary, \$1,200. Appointed by mayor and approved by board of aldermen in January, biennially. (Laws of 1889, chapter 287. City Ordinances, pages 44, 71, 83-88, 173.) Residence, River road north.

Auditor's Clerk.

Lizzie M. Cogswell.....Auditor's Office, City Hall

City Treasurer.

Fred L. Allen.....Office, City Hall

Salary, \$1,350. Elected by board of aldermen in January, biennially. (Act of January, 1897, chapter 198.) Residence, 33 Walnut street.

Treasurer's Clerks.

Mabel L. How.....Treasurer's Office, City Hall
Flora L. Whittier, assistant.....Treasurer's Office, City Hall

Collector of Taxes.

George E. Morrill.....Office, City Hall

Salary, \$1,350, fees, and allowance for horsehire. Elected by mayor and aldermen before May 1, biennially. (Act of July, 1851. Act of June, 1859, section 6. Act of 1897, chapter 198. Public Statutes, chapter 43. City Laws and Ordinances, chapter 33.) Residence, 740 Chestnut street.

Deputy Collector of Taxes.

Edwin C. Paul.....Collector's Office, City Hall
 Abraham S. Rich.....Collector's Office, City Hall
 Denis Vignault.....Collector's Office, City Hall

Salary, \$800. Appointed by tax collector with approval of mayor and aldermen. (City Laws and Ordinances, chapter 33, section 3.)

City Solicitor.

George A. Wagner.....Office, The Beacon

Salary, \$800. Elected by board of aldermen in January, biennially. (Act of 1897, chapter 198.) Residence, 332 Orange street.

City Messengers.

*John A. Barker.....Office, City Hall
 James R. Ferson.....Office, City Hall

Salary, \$700 and allowance for horsehire. Elected by board of aldermen in January, biennially. (City Laws and Ordinances, chapters 4, 6.)

* Died September 23, 1907.

Board of Aldermen.

STANDING COMMITTEES.

On Accounts.—Wiesner, Connor, Bunton.
On Bills on Second Reading.—Barry, Parnell, Edgar.
On City Farm.—MacDonald, Edgar, Lariviere.
On Claims.—Barr, Lariviere, Geisel.
On Cemeteries.—Bunton, Parnell, Edgar, Barr, Wiesner.
On Enrollment.—Wiesner, MacDonald, Geisel.

On Finance.—Mayor, Geisel, MacDonald.

On Fire Department.—Connor, Parnell, Barry.

On Lands and Buildings.—Lariviere, Bunton, MacDonald.

On Licenses.—Barry, Bunton, Connor.

On Lighting Streets.—Geisel, Connor, Barry.

On Military Affairs.—Edgar, Lariviere, Bunton.

On Public Health.—Geisel, MacDonald, Wiesner.

On Setting Trees.—Connor, Parnell, Lariviere.

On Sewers and Drains.—Parnell, Barry, Barr.

On Streets.—Edgar, Wiesner, Barr.

Member first named is chairman of respective committee.

Clerk of Committees (except Committees on Streets, Sewers and Cemeteries), Edward C. Smith. Salary, \$200 annually.

Clerk of Committees on Streets and Sewers, Samuel J. Lord.

Board of Common Council.

STANDING COMMITTEES.

No. 1. *On Central Department, Auditor's, Engineer's, and Department of Taxes.*—Messrs. Jaquith, Salls, Dunbar, Clough, and Smith.

No. 2. *On Street and Sewer Department.*—Messrs. Precourt, Swanson, Bartlett, Holbrook, and Picard.

No. 3. *On School Department.*—Messrs. Clough, Burns, Fisher, Beadle, and Straw.

No. 4. *On Fire Department and Hydrant Service.*—Messrs. Salls, Finn, Wenzel, Sullivan, and Octeau.

No. 5. *On Public Buildings and Public Places.*—Messrs. Hoitt, Leggett, Dunbar, Brown, and Eisman.

No. 6. *On Health, Police Department, Public Library, Patriotic, Charitable and Philanthropic Departments.*—Messrs. Brown, Oberg, Kenney, O'Connell, and Barry.

No. 7. *On Lighting Streets.*—Messrs. Manseau, Richards, Leggett, McHugh, and Lang.

(Member first named is chairman of respective committee.)

Committee on Finance.

President of the Common Council, Col. William Parker Straw, chairman, *ex officio*, and the chairmen of the different committees named above: Messrs. Jaquith, Precourt, Clough, Salls, Hoitt, Brown, and Manseau.

Committee on Enrollment.

Mr. Leggett, chairman, Messrs. Precourt and Dunbar.

City Physician.

George L. Bastian, M. D.....Residence and Office, 1087 Elm St.

Salary, \$600. Elected by board of aldermen in January, biennially. (Act of 1897, chapter 198. City Ordinances, chapter 9, sections 29, 30.)

City Engineer.

Samuel J. Lord.....Office, City Hall

Salary, \$2,200. Chosen by board of aldermen in April, term six years. (Chapter 250, Laws of 1907.)

ENGINEER'S ASSISTANTS.

Harrie M. Young.

Henry A. Worthen.

George M. Wales.

Alfred T. Dodge.

Harry J. Briggs.

Lawrence O'Connor.

STENOGRAPHER.

John J. McAllister, Jr.

Water Commissioners.

(Chapter 70, Laws of 1871. City Ordinances, chapter 36, and Laws of 1891, chapter 26, page 319, act approved March 31, 1891. Chapter 183, Laws of 1893). One commissioner elected annually by mayor and aldermen, in the month of September, for a term of six years. Office at court house, corner Franklin and West Merrimack street. Telephone at office and at pumping station.

The Mayor, *ex officio*.

Charles H. Manning. Term expires January, 1913.

William Corey. Term expires January, 1911.

Edgar J. Knowlton. Term expires January, 1910.

Charles M. Floyd. Term expires January, 1908.

Perry H. Dow. Term expires January, 1909.

Robert E. McKean. Term expires January, 1912.

Charles H. Manning, chairman.

Superintendent of Water-Works.

Charles K. Walker.....Office, Court House, Franklin street

Salary, \$2,400. Chosen by water commissioners annually. Residence, 68 South Main street, West Manchester.

Clerk of Water-Works.

Arthur E. Stearns.....Office, Court House, Franklin street
Salary, \$1,800. Chosen by water commissioners annually.

Engineer at Old Pumping Station.

Jerome J. Lovering. Salary, \$700, rent, fuel, and use of land.

Engineer at New Pumping Station.

C. A. Whitney, \$2.50 per day, rent, and fuel.

Justice of the Police Court.

Isaac L. Heath, court room at police station, corner Manchester and Chestnut streets.

Salary, \$1,500. Appointed by the governor with the advice of the council. (General Laws, chapter 215; chapter 163, sections 17, 18, 19, of the Laws of 1878, as amended by chapter 236, Laws of 1881. Public Statutes, chapter 211.)

Associate Justice of the Police Court.

Harry E. Loveren. Salary, \$300 per annum.

Appointed by the governor, with the advice of the council. (Chapter 215, General Laws, section 2-14. Public Statutes, chapter 211. Chapter 296, Laws of 1893.)

Clerk of the Police Court.

John C. Bickford. Salary, \$600.

Appointed by the justice of the police court. (Chapter 163, sections 17-19, General Laws, amended by chapter 236, Laws of 1881. Public Statutes, chapter 211.) Residence, 15 Ash street.

Police.

The members of the police are appointed by the police commissioners, and hold their commissions during good behavior. They are, by virtue of their appointment, constables and conservators of the peace, and their jurisdiction extends throughout the city. (Chapter 253, section 5, General Laws; chapter 303, Laws of 1887; chapter 202, Laws of 1893.) Police station at the corner of Chestnut and Manchester streets.

Police Commissioners.

See chapter 202, Laws of 1893.

Noah S. Clark, clerk. Term expires January, 1910.

Frank P. Cheney. Term expires January, 1908.

Edward B. Woodbury, chairman. Term expires January, 1912.

Chief of Police.

Michael J. Healy.....Office at Police Station

Salary, \$2,000. Residence, 304 Central street. Telephone at house and office.

Deputy Chief of Police.

John F. Cassidy.....Office at Police Station

Salary, \$1,500. Residence, 569 Hanover street.

Captain of the Watch.

Thomas E. Steele. Salary, \$3.00 per day. Residence, 253 Walnut street.

Sergeants.

Peter Callaghan. Salary, \$3.00 per day. Residence, 44 Falls road.

John T. O'Dowl. Salary, \$3.00 per day. Residence, 62 Webster street.

Inspector.

Clifton B. Hildreth. Salary, \$3.00 per day. Residence, 386 Walnut street.

Patrolmen.

Adler, Leonard J.	McGrath, Matthew F.
Archambeault, Joseph	McQuade, Edward H.
Badger, John C.	Moher, William.
Bean, Randall W.	Moore, Frank P.
Bourque, Lonedes	Moriarty, Mortimer J.
Brown, John G.	Mullen, John
Connor, John J.	O'Malley, John F.
Coolidge, Edgar L.	Parmenter, Wallace E.
Dunn, James F.	Pitman, J. Foster
Dustin, Frank J.	Potts, John
Foye, William F.	Rainville, Frank
Graf, Oscar J.	Rourke, Martin W.
Hackett, James	Russell, Albert
Hamilton, Robert	Shea, Jeffrey
Hampston, James J.	Smith, John F.
Healy, John D.	Somers, Elmer E.
Lavoie, Louis P.	Sullivan, Florence
Lovejoy, George A.	Sweeney, James
Lynch, John J.	Welch, John T.
Marden, Frank W.	Whalen, Michael J.

Salary, \$2.60 per day.

Janitor of Station.

Frank P. Wiggin. Salary, \$2.00 per day. Residence, 156 Merrimack street.

Matron.

Miss A. B. Brown. Salary, \$425 per annum. Residence, 228 Merrimack street.

School Committee.

Chosen at the biennial election in November, 1906; mayor and president of the common council members, *ex officio*. The board of school committee choose the clerk of the board, the superintendent of public instruction, the truant officer, and the teachers in the public schools, and determine their salaries. They have charge of the repairs of schoolhouses, to a limited extent, and the purchase of free text-books and other supplies, and are limited by the appropriations of the city councils. The salary of the committee is \$10 each.

WARD 1.

Elmer D. Goodwin.

James A. Sayers.

WARD 2.

George M. Davis.

Allan M. Wilson.

WARD 3.

Joel S. Daniels.

Frank L. Downs.

WARD 4.

Nathaniel L. Colby.

William A. Phinney.

WARD 5.

Dennis F. O'Neil.

John F. Lee.

WARD 6.

Maurice Watson.

Harry L. Davis.

WARD 7.

Edward B. Woodbury.

Edson S. Heath.

WARD 8.

Walter B. Mitchell.

Frank A. Cadwell.

WARD 9.

Timothy F. Cronin.

Arthur L. Prince.

WARD 10.

Francis X Lyons.

John H. Rice.

Eugene E. Reed, *ex officio*, chairman.William P. Straw, *ex officio*.

Edward B. Woodbury, vice-chairman.

Harry L. Davis, clerk.

Superintendent of Public Instruction.

Charles W. Bickford.....Office, City Hall

Salary, \$2,300.

Superintendent's Clerk.

Fannie L. Sanborn.....Residence, 161 Hanover street

Salary, \$600.

Truant Officer.

Curtis W. Davis.....Office, City Hall

Salary, \$850 and allowance for horsehire. Residence, 849 Chestnut street.

Assessors.

(Chapter 314, Laws of 1903). Establishing a board of three assessors. Board elected by the common council in December, 1904, one member for two years, one member for four years, and one member for six years, from January 1, 1905. Thereafter biennially in the month of January, beginning in 1907, the common council shall elect one member for six years. Salary, \$1,500.

George A. Clark. Term expires January, 1911.

Joseph O. Tremblay. Term expires January, 1909.

William P. Farmer. Term expires January, 1913.

George A. Clark, chairman.....Office, City Hall

CLERK OF ASSESSORS.

Arthur W. Rowell.....Office, City Hall

Inspector of Check-Lists.

One in each ward chosen at the biennial election in November. Compensation, \$2.25 per day for each day actually employed. Office, City Hall. (Laws of 1878, chapter 163, sections 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, and City Ordinances, chapter 14, section 9.)

Ward 1. William F. Grauer.

Ward 2. Charles B. Tucker.

Ward 3. Arthur W. Rowell.

Ward 4. Frank P. Collins.

Ward 5. James F. Otis.

Ward 6. George A. Taylor.

Ward 7. Lyman H. Burbank.

Ward 8. Charles C. Tinkham.

Ward 9. Wilfred E. Provost.

Ward 10. John J. Leahey.

Charles C. Tinkham, chairman.

Arthur W. Rowell, clerk.

Overseers of the Poor.

One in each ward, chosen at biennial election in November. The mayor is a member *ex officio*. Compensation, \$50 per annum, each; clerk of the board, \$125 per annum, determined by City Ordinances, chapter 14; section 18, as amended by Ordinances of August 5, 1890, and July 2, 1901. Meet third Wednesday of each month in City Hall building.

- Ward 1. Michael Herbert, 2 Boyden street.
 - Ward 2. Daniel G. Andrews, 777 Union street.
 - Ward 3. Joseph L. Boudreau, 131 Orange street.
 - Ward 4. Charles B. Clarkson, 413 Manchester street.
 - Ward 5. Thomas F. Sheehan, 364 Beech street.
 - Ward 6. John F. Healy, 483 Central street.
 - Ward 7. William Marshall, 80 Amoskeag Corporation.
 - Ward 8. George W. Flint, 101 Milford street.
 - Ward 9. Philip Pellerin, 399 Cartier street.
 - Ward 10. Peter J. Charron, 615 Harvard street.
 - Eugene E. Reed, *ex officio*. Office, City Hall.
 - Thomas C. Stewart, clerk.
-

Board of Health.

(City Ordinances, chapter 14, section 10, as amended. Laws of 1885, chapter 165; Laws of 1887, chapter 227; Public Statutes, chapters 108, 109, 110.) One member appointed by the mayor in January of each year, to hold office for a term of three years. Salary, \$200 each per annum. Office, Court House, West Merrimack, corner of Franklin street.

William K. Robbins. Term expires first Monday in February, 1910.

William J. Starr. Term expires first Monday in February, 1908.

Joseph E. A. Lanouette. Term expires first Monday in February, 1909.

William B. Blake, sanitary inspector. Office, Court House, Merrimack, corner of Franklin street.

John F. Looney, sanitary inspector. Office, Court House, Merrimack, corner of Franklin street.

Carl O. Seaman, plumbing and milk inspector. Office, Court House, Merrimack, corner Franklin street.

M. Alma Fracker, office clerk.

Fire Department.

The chief engineer and four assistant engineers are chosen biennially in the month of January, by a majority of the city councils in

convention. The salary of the chief engineer is \$1,500 per annum; the assistant engineers, each \$250 per annum. They exercise the powers and perform the duties of firewards. The said engineers constitute the board of engineers, and elect a clerk whose compensation is \$75 a year. The annual compensation of the call members of the several hook-and-ladder, hose, steam fire engine, and chemical companies is as follows: Captains, each \$165; lieutenants, each \$160; clerks, each \$160; call engineers, each \$185; assistant engineers, each \$155; all other members, each \$150; payable in semi-annual payments, on the first of January and July. (Laws of 1870, chapter 99. General Laws, chapter 106. City Ordinances, chapters 6 and 12). Six members are permanently employed as engineers at \$76.25 per month each, and twenty-one as drivers at \$68.33 $\frac{1}{3}$ per month each, six other permanent men at \$65 per month each, permanent captains, \$75 per month each and receive no compensation as call members. Members and officers of each company are appointed by the board of engineers.

Chief Engineer.

Thomas W. Lane.....Office, Central Station, Vine street

Residence, 1937 Elm street. Telephone at house and office.

ASSISTANT ENGINEERS.

John F. Seaward.

Arthur Provost.

Clarence R. Merrill.

Thomas F. Fitzsimmons.

Clarence R. Merrill, clerk.

Trustees of City Library.

(Law of 1854, chapter 1588. See contract with Manchester Atheneum, printed on pages 107 and 108 of City Report for fiscal year ending January 31, 1855.) Board of seven trustees, one of whom is elected by aldermen and board of trustees in joint convention in September, annually. Term of service, seven years, no salary. Two additional trustees, mayor, and president of common council, *ex officio*.

Frank P. Carpenter, Elm, corner West North street. Term expires October 1, 1909.

Herman F. Straw, 607 Chestnut street. Term expires October 1, 1914.

Walter M. Parker, 1883 Elm street, corner of Webster. Term expires October 1, 1913.

Roger G. Sullivan, 168 Walnut street. Term expires October 1, 1912.

Henry W. Boutwell, 587 Union street. Term expires October 1, 1911.

William P. Farmer, Candia Road. Term expires October 1, 1910.

Edwin F. Jones, 15 High street. Term expires October 1, 1908.

Eugene E. Reed, *ex officio*.

William P. Straw, *ex officio*.

Edwin F. Jones, clerk.

City Library.

Franklin street, corner of Dean avenue. Open from 10 A. M. to 8 P. M. Saturdays to 9 P. M. Sundays, 11 A. M. to 5 P. M.

Librarian.

F. Mabel Winchell, 593 Union street. Salary, \$1,000 annually. Elected by the trustees of library.

Board of Street and Park Commissioners.

The board of aldermen, biennially, elect one member of said board for a term of six years. Not more than two members can be of the same political party. Said board, consisting of three members, has full charge, management and control of the building, constructing, repairing and maintaining of all the streets, highways, lanes, sidewalks, bridges, public sewers and drains, and public parks and commons. (See Laws of 1893, chapter 264.) Office, City Hall building. Open from 8 to 12 A. M., 2 to 5 P. M. Regular meeting of the board at 2 o'clock P. M. each day. Salary of each member, except chief engineer, \$600 per year, payable quarterly, and each is allowed \$150 annually for horsehire.

William McElroy, chairman. Term expires April, 1912.

Byron Worthen. Term expires April, 1908.

Samuel J. Lord, chief engineer, clerk. Term expires April, 1916.

City Weigher.

Gilbert Lyons. Office, city scales.

Elected biennially in board of aldermen. Salary, \$500 per annum; all fees for weighing returned monthly to city treasurer with sworn statement. Stationed at city scales on Franklin street.

Sealer of Weights and Measures.

Charles B. Clarkson.

Elected biennially in January by board of aldermen. Paid by fees. (Section 25, chapter 43, Public Statutes, and chapter 125, Public Statutes.)

Trustees of Cemeteries.

(City Ordinances, chapter 39, sections 1, 2, 3, 4.) Two trustees elected by board of aldermen in January, annually, for the term of four years. Sub-trustees appointed by board of trustees.

J. Adam Graf, 10 Middle street. Term expires 1909.
 William H. Maxwell, 476 Front street. Term expires 1911.
 Charles P. Porter, 585 Belmont street. Term expires 1910.
 Clarence M. Edgerly, 232 Prospect street. Term expires 1910.
 Stillman P. Cannon, 99 Lowell street. Term expires 1909.
 Charles E. Stearns, 329 Front street. Term expires 1911.
 Edwin F. Jones, 15 High street. Term expires 1908.
 Harrie M. Young, 33 Dutton street. Term expires 1908.
 Fred L. Allen, clerk and treasurer, 33 Walnut street.

Sub-Trustees of Cemeteries.

VALLEY CEMETERY.

Alderman Fred O. Parnell, chairman; Alderman Barr, Messrs. Stillman P. Cannon, Frank C. Livingston, Clarence M. Edgerly, and Charles P. Porter.

PINE GROVE CEMETERY.

Alderman Andrew B. Bunton, chairman; Alderman Robert Edgar, Messrs. J. Adam Graf, Harrie M. Young, and Edwin F. Jones.

AMOSKEAG CEMETERY.

Alderman Ernest W. Wiesner, chairman; Messrs. Charles E. Stearns and William H. Maxwell.

SUPERINTENDENT OF PINE GROVE CEMETERY.

John Erskine. Office and residence at the cemetery.

SUPERINTENDENT OF VALLEY CEMETERY.

Eugene C. Smith. Office at the cemetery; residence, 272 Mast street.

SUPERINTENDENT OF AMOSKEAG CEMETERY.

George C. Harwood. Residence, Amoskeag.

TRUSTEES OF CEMETERY FUND.

Norwin S. Bean.
 Charles H. Anderson.
 Eugene E. Reed, *ex officio*.
 Fred L. Allen, treasurer.

Inspector of Buildings.

Edwin S. Foster.....Office, City Hall

Residence, 11 Linden street. Appointed by board of mayor and aldermen, biennially, in February. Salary, \$800 per annum and an allowance for horsehire. (City Ordinances, chapter 15. Laws of 1883, chapter 94.)

Inspectors of Oil.

J. Oscar Burbank, 1470 Elm street.

Martin Moll, 45 Barr street.

(Public Statutes, chapter 129, sections 25-34. City Ordinances, chapter 25.) Paid by fees, $\frac{1}{4}$ of one per cent per gallon.

Board of Examiners of Plumbers.

Appointed by the mayor.

William K. Robbins.

Samuel J. Lord.

Christian L. Wolf.

William K. Robbins, president.

Samuel J. Lord, clerk.

Sinking Fund Commissioners.

William McElroy, chairman.

Fred L. Allen, clerk and treasurer.

Charles H. Manning.

Moderators.

Elected biennially. (General Laws, chapter 31, sections 3, 9; chapter 36, section 9; chapter 44, section 7. City Ordinances, page 18. See Public Statutes relating to towns and cities.)

Salary, \$15.00, payable at expiration of term.

Ward 1. Abial W. Eastman.

Ward 2. Frank S. Chase.

Ward 3. George E. Prime.

Ward 4. Henry B. Fairbanks.

LIST OF OFFICERS.

- Ward 5. Martin J. Whalen.
Ward 6. Harry L. Davis.
Ward 7. Johann A. Graf.
Ward 8. John J. McGovern.
Ward 9. Joseph Fleury.
Ward 10. Michael McGuinness.
-

Ward Clerks.

Elected biennially. (General Laws, chapter 44, sections 10, 12. City Ordinances, page 18. Public Statutes relating to towns and cities.)

- Salary, \$20.00, payable at expiration of term.
Ward 1. Charles D. Sumner, 22 Stark street.
Ward 2. George F. Millar, 15 Blodget street.
Ward 3. George W. Cook, 550 Maple street.
Ward 4. Fred A. Hunkins, 316 Manchester street.
Ward 5. Martin E. Sullivan, 47 Laurel street.
Ward 6. Charles H. Martel, 352 Cedar street.
Ward 7. Charles E. Bartlett, 39 West Merrimack street.
Ward 8. Arthur G. McKean, 50 Main street.
Ward 9. Jeremiah Connor, 52 Rimmon street.
Ward 10. Almon O. Oviatt, 997 Valley street.
-

Selectmen.

Elected biennially. (General Laws, chapter 1, section 27; chapter 12, section 6; chapter 40, sections 2, 3; chapter 109, section 27; chapter 213, section 1. City Ordinances, page 18. Public Statutes relating to towns and cities.)

Salary, \$15.00, payable at expiration of term.

WARD 1.

Moise Dion. Axel G. Sandlund.
James Quinn.

WARD 2.

Samuel W. Shepherd. John T. Plumpton.
Alfred G. Miles.

WARD 3.

Willie F. Bean. Ernest A. Bournival.
William Nyberg.

WARD 4.

Fred H. Cate. Richard A. Wheeler.
Joseph M. Derry.

WARD 5.

Lawrence A. Hurley.

George D. Burns.

Edward O'Dee.

WARD 6.

Henry H. McKelvie.

George F. Tuxbury.

Charles A. Merrill.

WARD 7.

James W. Clapp.

John F. Frost.

Charles F. Richardson.

WARD 8.

Fred Lange.

Eugene T. Sherburne.

Fred W. Hoffman.

WARD 9.

Medard Poulin.

Mederic A. Hebert.

Oscar Knoettner.

WARD 10.

Thomas Bolton.

Apollinaire Rousseau.

Clifford N. Snow.

REPORT OF THE CITY AUDITOR.

REPORT OF THE CITY AUDITOR.

To the Board of Mayor and Aldermen:

GENTLEMEN:—The auditor herewith submits to your honorable body his report, giving a tabular statement of the receipts and expenditures for the year 1907, and a detailed statement of the expenses of each appropriation during the year.

Respectfully,

JAMES E. DODGE,

City Auditor.

Report of the City Treasurer for the Year 1907.

Dr.

Temporary Loans:

Merrimack River Savings Bank.....	\$100,000.00	
Bond & Goodwin.....	150,000.00	
		\$250,000.00

Sale of city refunding bonds to

Merrill, Oldham & Co.....	\$50,000.00	
Premium for same.....	458.00	
		50,458.00

Trustees of sinking fund.....		100,000.00
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E. C. Smith, city clerk:

Dog licenses	\$2,555.13
Sewer licenses	1,422.13
Rent of tenements.....	424.96
Show licenses	476.00
Pool and bowling licenses.....	1,034.01
Rent of city hall.....	145.00
Junk dealers' licenses.....	390.00
Pawnbrokers' licenses	50.00
Lunch cart licenses.....	30.00
Job team and hacking licenses.....	13.00
Popcorn licenses	5.00
Fees, intention of marriage.....	711.00
mortgages	151.36
conditional sales	134.00
corporations	31.00
Miscellaneous records	48.25
Writs	42.40
Firms	6.25
Assignment of wages	15.80
Discharges	22.75

7,708.04

Police department:

M. J. Healy	\$3,521.60	
John C. Bickford.....	1,336.64	
		<hr/>
		\$4,858.24

Pine Grove cemetery:

J. H. Erskine, superintendent.....	\$6,762.69	
Fred L. Allen, treasurer.....	3,341.91	
		<hr/>
		10,104.60

Merrill cemetery:

J. H. Erskine, superintendent.....	\$41.50	
Fred L. Allen, treasurer.....	14.12	
		<hr/>
		55.62

George E. Morrill, collector of taxes:

Taxes, 1907	\$613,301.02	
Taxes, 1906	47,904.85	
Redemption of land sold for taxes.....	4,597.74	
Abatement of taxes, 1907 list.....	1,257.84	
Abatement of taxes, 1906 list.....	662.09	
Land sold for taxes.....	3,318.59	
Land sold for taxes, nonresident.....	288.91	
Costs on taxes, 1906.....	1,725.30	
Interest on taxes, 1906.....	1,565.47	
Old taxes, 1903.....	2.10	
Old taxes, 1904.....	39.00	
Old taxes, 1905.....	262.38	
		<hr/>
		674,925.29

Solon A. Carter, state treasurer:

Insurance tax	\$3,077.00	
Railroad tax	54,672.01	
Savings bank tax	80,087.13	
Literary fund	3,620.35	
		<hr/>
		141,456.49

New Hampshire state license commission:

Balance licenses, 1906.....	\$2,634.13	
Licenses, 1907	53,286.78	
		<hr/>
		55,920.91

City farm:

Street and park commission, hay.....	\$858.52	
Street and park commission, hay.....	880.16	
A. H. Weston, dressing.....	9.75	
Cree & Goings, apples.....	33.00	
Asa F. Dolloff, fruit and vegetables.....	8.17	
		<hr/>
		1,789.60

City scales:

Gilbert Lyons		414.46
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Water works department:

Charles K. Walker, superintendent.....		144,433.45
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Valley cemetery:

Eugene C. Smith, superintendent.....	\$1,710.50
Fred L. Allen, treasurer.....	73.50

 \$1,784.00

Miscellaneous receipts:

John L. Wentworth, board of Mrs. F. A. Heath at county farm.....	\$25.00
John Healy, board of Mrs. F. A. Heath at county farm	48.54
Charles B. Clarkson, money collected from estate of William Arbuckle.....	17.00
Robert R. Chase, rebate on fire insurance policy	4.95
John Dowst, agent, rebate on fire insurance policy	11.00
Fred R. Stark, rebate on fire insurance policy	6.00
John A. Barker, sale of desks.....	10.00
T. W. Lane, sale of old hose.....	13.40
Eugene E. Reed, mayor, money received from Father Desaulniers.....	40.00
Kate T. Clarke.....	14.51
Lynn Incandescent Lamp Co., overdraft (city hall)	33.60
Michael Healy, overdraft, paupers off farm	4.00
W. G. Berry, agent, rebate on fire insurance policy .....	.28
John W. Daley, removal of manure from fire department stables from May 17, 1907, to May 17, 1908.....	100.00
Ernest W. Wiesner, sale of old fence at Amoskeag cemetery	30.00
Manchester Traction, Light and Power Co., overdraft	5.25

 363.53

Sale of personal property at city farm:

J. G. Taggart.....	\$1,407.76
E. C. Smith, city clerk, from G. H. Phinney	14.55
E. C. Smith, city clerk, from J. E. MacDonald and A. J. MacDonald.....	2.75
E. C. Smith, city clerk, from J. H. Jones..	62.75

 1,487.81

Board of health:

Milk licenses	\$381.00
Board of patients at hospitals.....	81.84

 462.84

School department:

F. L. Downs, chairman, desks sold.....	\$27.00	
C. W. Bickford, superintendent, tuition...	1,778.49	
H. L. Davis, clerk, free text-books.....	186.98	
		<hr/>
		\$1,992.47

Hillsborough county commissioners:

For board of inmates at State Industrial School for six months ending September 30, 1906	\$1,284.74	
For board of inmates at State Industrial School for three months ending December 30, 1906.....	639.22	
For board of inmates at State Industrial School from January 1, 1907, to March 31, 1907	613.70	
For board of inmates at State Industrial School from April 1, 1907, to April, 15, 1907	129.00	
		<hr/>
		2,666.66

Interest on bank deposits:

First National Bank.....	\$1,263.95	
Second National Bank.....	830.40	
George E. Morrill, collector.....	837.50	
		<hr/>
		2,931.85

Street and park commission:

To amount received from sundry persons for the sale of pipe, paving, labor, etc.....	4,552.95	
		<hr/>

Receipts for the year.....	\$1,458,366.81	
Cash on hand January 1, 1907.....	\$128,779.06	
Unpaid bills December 31, 1907.....	35,501.02	
		<hr/>
		164,280.08

\$1,622,646.89

Cr.

Total drafts	\$1,498,769.11	
Unpaid bills January 1, 1907.....	22,905.00	
Cash on hand December 31, 1907.....	100,972.78	
		<hr/>
		\$1,622,646.89

Respectfully submitted,

FRED L. ALLEN,
City Treasurer.

To the City Council of the City of Manchester:

GENTLEMEN:—I have examined the accounts of Fred L. Allen, city treasurer, for the year ending December 31, 1907, and find proper vouchers for all payments and all receipts duly accounted for.

The net cash on hand January 1, 1907, was.....	\$105,874.06
Receipts during the year.....	1,458,366.81

Total	\$1,564,240.87
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Amount of drafts during the year.....	\$1,498,769.11
Net cash on hand December 31, 1907.....	65,471.76

Total	\$1,564,240.87
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To cash taken December 31, 1907, I find to be as follows:

Deposited in Second National Bank, Boston, Mass.....	\$21,830.70
Deposited in Second National Bank, Manchester, N. H..	76,489.43
Deposited in office safe.....	2,652.65

Gross amount of cash on hand December 31, 1907....	\$100,972.78
Deduct amount of unpaid bills.....	35,501.02

Net amount of cash on hand December 31, 1907.....	\$65,471.76
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JAMES E. DODGE,
City Auditor.

Statement of Receipts and Expenditures of the City of Manchester for the Year 1907.

RECEIPTS.

CENTRAL DEPARTMENT.

Received from:

Direct city taxes.....	\$667,036.78	
Cost and interest on taxes.....	3,290.77	
		\$670,327.55
Licenses to enter sewer.....	\$1,422.13	
to keep dog.....	2,555.13	
to sell milk.....	381.00	
to keep billiard and pool tables,		
lunch carts, etc.....	1,522.01	
to shows and exhibitions.....	476.00	
Fees from city clerk.....	1,162.81	
		\$7,519.08
Rents		\$569.96

SUNDRIES.

Received from:

City scales	\$114.46	
Tuition and free text-books.....	1,965.47	
Miscellaneous sources	286.75	
		<hr/>
		\$2,666.68

POLICE DEPARTMENT.

Received from costs and fines.....	\$4,858.24
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PUBLIC PLACES.

Received from:

Pine Grove cemetery	\$10,104.60	
Valley cemetery	1,784.00	
Merrill cemetery	55.62	
Amoskeag cemetery	30.00	
		<hr/>
		\$11,974.22

WATER-WORKS.

Gross receipts	\$144,433.45
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CITY FARM.

Received from city farm.....	\$3,277.41
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LIQUOR LICENSES.

Received from state liquor commissioners for licenses...	\$55,920.91
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MISCELLANEOUS.

Received from:

Interest	\$2,931.85	
Land redeemed from tax sale.....	4,597.74	
Overdrafts	42.85	
Street and park commission, sale of pipe, stone, labor, etc.....	4,552.95	
Hillsborough county	2,757.20	
Rebate on insurance premium.....	22.23	
		<hr/>
		\$14,904.82

Total ordinary receipts during the year 1907.....	\$916,452.32
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DEBT.

Received from:

Bonds sold	\$50,000.00	
Premium on bonds sold.....	458.00	
Sinking fund commissioners.....	100,000.00	
		<hr/>
		\$150,458.00

RECEIPTS AND EXPENDITURES.

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TEMPORARY LOAN.

Received from loan in anticipation of tax of 1907..... \$250,000.00

STATE

Received from:

Insurance taxes	\$3,077.00	
Railroad taxes	54,672.01	
Savings bank taxes.....	80,087.13	
Literary fund	3,620.35	
	<hr/>	\$141,456.49

Gross receipts	\$1,458,366.81
Net cash on hand January 1, 1907.....	105,874.06
	<hr/>
	<hr/>
	\$1,564,240.87

EXPENDITURES.

CENTRAL DEPARTMENT.

Interest on water bonds.....	\$31,422.50	
on city bonds.....	35,756.00	
on cemetery bonds.....	2,500.00	
on temporary loans.....	7,768.28	
	<hr/>	\$77,446.78
City hall	\$4,700.03	
Printing and stationery	1,833.50	
Incidental expenses	6,061.45	
Mayor's incidentals	295.00	
City officers' salaries.....	21,430.98	
Auditor's department	2,099.19	
Sinking fund trustees	33,500.00	
Assessors' department	8,465.37	
Land sold for taxes.....	3,607.50	
	<hr/>	\$81,993.02

STREET AND SEWER DEPARTMENT.

Street and park commission.....	\$3,300.00
Snow and ice	11,799.11
Repairs of highways	44,835.79
New highways	5,000.00
Watering streets	7,000.00
Paving streets	6,582.34
Macadamizing streets	7,000.00
Grading for concrete	3,511.47
Scavenger service	25,289.32

Street sweeping	6,000.00	
Lighting streets	57,123.40	
Bridges	7,500.68	
New bridge, Cohas brook.....	2,000.00	
Brown-tail and gypsy moth.....	5,000.00	
City teams	8,462.54	
Repairs of sewers	8,163.25	
New sewers	28,065.25	
	<hr/>	\$236,633.15

ENGINEER'S DEPARTMENT.

Engineer's department	\$9,000.00
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HEALTH DEPARTMENT.

Health department	\$10,743.31
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SCHOOL DEPARTMENT.

Repairs of schoolhouses.....	\$8,024.37	
Fuel	11,996.22	
Furniture and supplies	1,900.84	
Books and stationery	19.90	
Printing and advertising	333.07	
Contingent expenses	3,058.83	
Care of schoolrooms	7,809.67	
Evening schools	1,445.30	
Evening school, mechanical drawing.....	275.62	
Teachers' salaries	103,580.36	
Free text-books	7,180.73	
Manual training	593.69	
Grading around Varney school.....	800.00	
Shaper, manual training.....	274.63	
	<hr/>	\$147,293.23

CITY LIBRARY.

City library	\$7,999.58
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FIRE DEPARTMENT.

Fire department	\$78,882.50	
Fire-alarm telegraph	1,930.31	
Hydrant service	20,625.00	
Equipping and maintenance ward 10 engine house	10,856.49	
Hose wagon, central station.....	757.50	
	<hr/>	\$113,051.80

RECEIPTS AND EXPENDITURES.

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POLICE DEPARTMENT.

Police station	\$2,986.17	
Police court	2,954.81	
Police commission	53,018.81	
	<hr/>	\$58,959.79

PUBLIC BUILDINGS.

Repairs of buildings.....	\$10,644.19	
Board of examiners of plumbers.....	50.00	
Public bath house.....	1,000.00	
New hose house and ward room.....	97.77	
	<hr/>	\$11,791.96

WATER-WORKS.

Water-works	\$106,978.80	
Water-works sinking fund.....	25,625.00	
	<hr/>	\$132,603.80

PUBLIC PLACES.

Commons	\$4,500.00	
Stark park	1,003.00	
Derryfield park	1,040.20	
Lafayette park	2,000.00	
Miscellaneous playgrounds	200.00	
Pine Grove cemetery	18,231.80	
Valley cemetery	5,547.18	
Amoskeag cemetery	530.17	
Merrill cemetery	99.72	
	<hr/>	\$33,152.07

CHARITABLE, PATRIOTIC, AND PHILANTHROPIC.

Paupers off farm.....	\$16,716.16	
City farm	788.51	
Indigent soldiers	281.09	
Women's Aid Home.....	300.00	
Elliot hospital	300.00	
Notre Dame de Lourdes hospital.....	300.00	
Sacred Heart hospital.....	300.00	
W. C. T. U. Mercy Home.....	300.00	
Infant asylum	300.00	
Decoration of soldiers' graves.....	498.96	
Militia	1,200.00	
Band concerts	450.00	
Manchester Battalion Rifle Range Association	500.00	

Manchester Historical Society.....	600.00	
Orphanut St. Pierre.....	300.00	
St. Joseph's Orphanage.....	300.00	
Hospice St. Vincent de Paul.....	300.00	
Animal Rescue League.....	300.00	
Boys' Club	200.00	
West Side Reading Room.....	100.00	
		<u>\$24,334.72</u>

ABATEMENTS.

Abatement of taxes.....	\$1,982.43	
Total of ordinary municipal expenditures.....		<u>\$946,985.64</u>

TEMPORARY LOAN.

Temporary loan	\$250,000.00
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BONDED DEBT.

City bonds	\$50,000.00	
School bonds	10,000.00	
Water bonds	100,000.00	
		<u>\$160,000.00</u>

STATE AND COUNTY TAXES.

State tax	\$79,550.00	
County tax	62,233.47	
		<u>\$141,783.47</u>

Grand total of expenditures during the year.....	\$1,498,769.11
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Cash on hand December 31, 1907.....	\$100,972.78
Less unpaid bills.....	35,501.02

Net cash on hand.....	65,471.76
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\$1,564,240.87

Interest.

Appropriation	\$44,000.00	
Transferred from water-works account....	31,422.50	
Transferred from unappropriated money....	2,024.28	
		<u>\$77,446.78</u>

EXPENDITURES.

Coupons on bridge bonds	\$2,416.00	
city bonds	3,160.00	
city funding bonds.....	3,430.00	
cemetery bonds	2,500.00	
improvement bonds	16,000.00	
municipal bonds	2,800.00	
refunding loan bonds.....	2,750.00	
school bonds	5,200.00	
water bonds	31,422.50	
		\$69,678.50
Bond & Goodwin, discount on notes.....	\$3,887.73	
Merrimack River Savings Bank, discount on notes	3,880.55	
		7,768.28
Total expenditures		\$77,446.78

Payment of Funded Debt.

Appropriation	\$10,000.00	
Received from sinking fund.....	100,000.00	
Received from sale of bonds.....	50,000.00	
		\$160,000.00

EXPENDITURES.

Water bonds	\$100,000.00	
City bonds	50,000.00	
School bonds	10,000.00	
		\$160,000.00

Sinking Fund.

Appropriation	\$33,500.00
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EXPENDITURES.

Trustees of sinking fund.....	\$33,500.00
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Unappropriated Money.

Transferred from the following accounts:

Printing and stationery.....	\$166.50
Incidental expenses	1,938.55
Auditor's department .....	.81
Assessors' department	34.63
Mayor's incidentals	5.00
New sewers	2,799.11
Lighting streets	876.60
City library .....	.42
Fire-alarm telegraph	669.69
Equipping and maintenance, ward 10 engine house	1,923.51
Hose wagon, central station.....	442.50
Police commission	3,551.19
Police station	13.83
Repairs of buildings	109.01
New hose house and ward room.....	70.33
Valley cemetery	2.82
Merrill cemetery .....	.28
Books and stationery	30.10
Printing and advertising	16.93
Free text-books	6.25
Manual training	6.31
Teachers' salaries	2,419.64
Evening schools	54.70
Evening school, mechanical drawing.....	24.38
Sharper, manual training.....	.37
Decoration of soldiers' graves.....	1.04
Land sold for taxes.....	1,392.50
Abatement of taxes.....	17.57

\$16,574.57

EXPENDITURES.

Transferred to the following accounts:

Interest	\$2,024.28
City hall	666.43
City officers' salaries.....	430.98
Snow and ice.....	2,799.11
Health department	743.31
Fire department	1,632.50
Police court	54.81
Pine Grove cemetery.....	31.80
Amoskeag cemetery .....	.17
Repairs of schoolhouses.....	24.37

CITY HALL.

35

Furniture and supplies.....	\$100.84	
Fuel	1,496.22	
Contingent expenses	353.58	
Care of schoolrooms.....	9.67	
Paupers off farm.....	2,268.70	
City farm	88.51	
Indigent soldiers	156.09	
Free cash in treasury.....	3,693.20	
		<u>\$16,574.57</u>

Temporary Loan.

RECEIPTS.

Bond & Goodwin.....	\$150,000.00	
Merrimack River Savings Bank.....	100,000.00	
		<u>\$250,000.00</u>

EXPENDITURES.

Bond & Goodwin.....	\$150,000.00	
Merrimack River Savings Bank.....	100,000.00	
		<u>\$250,000.00</u>

City Hall.

Appropriation	\$4,000.00	
Overdraft, Incandescent Lamp Co.....	33.60	
Transferred from unappropriated money....	666.43	
		<u>\$4,700.03</u>

EXPENDITURES.

FUEL AND LIGHTS.

Manchester Coal & Ice Co., coal.....	\$22.93	
Manchester Traction, Light & Power Co., electric lights	833.70	
Maxwell Ice Co., wood.....	20.00	
Moore & Preston Coal Co., coal.....	533.88	
People's Gas Light Co., gas.....	290.41	
		<u>\$1,700.92</u>

WATER AND TELEPHONE.

New England Telephone & Telegraph Co., telephone service	\$8.92	
Water commissioners, use of water.....	434.75	
		<u>\$443.67</u>

CLEANING OFFICES, ETC.

L. B. Bodwell & Co., ice.....	\$24.04
Columbia Refining Co., soap.....	10.16
W. G. Connor, matches.....	1.25
Daniels-Cornell Co., soap.....	2.50
L. M. Folsom, cheese cloth.....	3.50
Frank Holt, soap powder.....	4.25
R. K. Horne, water tank, tax collector.....	2.50
C. A. Hoitt Co., 1 pail.....	.69
T. A. MacDonald, brooms.....	3.13
Manchester Hardware Co., shovels, dusters, pail, etc.	24.47
Manchester Tea Co., matches.....	1.75
Sarah Minton, cleaning.....	313.00
Charles Robitaille, janitor.....	779.96
Timothy Sullivan, janitor public comfort...	480.00
Weeks Drug Co., disinfectant.....	.39
	<hr/>
	\$1,651.59

FURNITURE AND SUPPLIES.

A. L. Franks & Co., shades and holders.....	\$1.50
Hale & Whittemore, wire and screw eyes.....	.44
James W. Hill Co., 1 flag.....	9.00
C. A. Hoitt Co., 1 desk, mayor.....	90.00
C. A. Hoitt Co., window shades changed, water tank, repairing chairs.....	13.50
R. D. Gay, awnings and hangings.....	274.75
R. D. Gay, repairing awnings.....	13.00
W. D. Hebert & Co., 1 clock, aldermanic chamber	25.00
Lynn Incandescent Lamp Co., lamps	67.20
Paige & Myrick, nickel figures.....	2.00
John B. Varick Co., 1 desk set, mayor.....	16.00
John B. Varick Co., 1 trap.....	.10
	<hr/>
	\$512.49

INCIDENTAL REPAIRS.

J. J. Abbott, finishing desks, auditor.....	\$16.91
The Barton Co., taking down awnings.....	14.50
E. M. Bryant & Co., labor and material.....	15.25
Head & Dowst Co., labor on desk, auditor...	6.15
C. A. Hoitt Co., repairing chair, auditor....	.75
Joseph Monbleau, repairing chairs.....	9.75
Pike & Heald Co., repairs.....	4.33
H. A. Piper, repairing chair, desk, etc.....	5.85
Edward Sargent, repairing lock, 1 key.....	1.00
B. F. Shepard, keys.....	.90
	<hr/>

\$75.49

INSURANCE PREMIUMS.

W. G. Berry.....	\$63.25	
G. E. Blanchet.....	13.38	
Clarence M. Edgerly.....	126.75	
J. A. Sheehan.....	44.59	
Fred R. Stark.....	12.50	
		\$260.47

SUNDRIES.

J. J. McAlister, Jr., weighing coal.....	\$5.40	
Charles F. Young & Co., decorating (St. Patrick's Day)	50.00	
		\$55.40
Total expenditures		\$1,700.03

Printing and Stationery.

Appropriation	\$2,000.00
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EXPENDITURES.

TAX COLLECTOR.

John B. Clarke Co., printing notices, bills....	\$67.00	
John B. Clarke Co., advertising nonresident list	44.63	
Temple & Farrington Co., pencils.....	.21	
		\$111.84

CITY CLERK.

Albert Ruemely, printing postals, notices, blanks,	\$56.05	
Albert Ruemely, 500 manuals and binding...	112.60	
E. A. Stratton, printing certificates.....	6.25	
Temple & Farrington Co., books and stationery	36.31	
		\$211.21

CITY AUDITOR.

John B. Clarke Co., printing 500 reports....	\$1,223.70	
Temple & Farrington Co., binding 130 copies city report	117.00	
J. Arthur Williams, printing slips.....	.65	
		\$1,341.35

CITY TREASURER.

W. P. Goodman, stationery.....	\$2.05	
E. A. Stratton Co., printing letters, deeds, notices	18.50	
Temple & Farrington Co., pay-rolls.....	16.25	
		<hr/>
		\$36.80

MAYOR.

John B. Clarke Co., printing orders.....	\$5.50	
Albert Ruemely, printing inaugural, cards, etc.	33.75	
		<hr/>
		\$39.25

CITY COUNCILS AND COMMITTEES.

Nutfield Press, printing brief.....	\$9.50	
Albert Ruemely, printing envelopes, state- ments, briefs	78.65	
E. A. Stratton Co., pencils, paper.....	3.75	
J. Arthur Williams, printing postals.....	1.15	
		<hr/>
		\$93.05

Total expenditures	\$1,833.50	
Transferred to unappropriated money.....	166.50	
		<hr/>
		\$2,000.00
		<hr/> <hr/>

Incidental Expenses.

Appropriation	\$8,000.00
	<hr/> <hr/>

EXPENDITURES.

BIRTHS AND DEATHS.

D. S. Adams, M. D.....	\$0.50
George L. Bastion, M. D.....	2.50
Kate S. Bolton.....	11.25
H. W. Boutwell, M. D.....	3.25
F. N. Beardslee, M. D.....	1.75
Lillian G. Bullock, M. D.....	3.50
A. A. E. Brien, M. D.....	5.75
J. S. Brown, M. D.....	9.25
W. L. Biron, M. D.....	39.50
J. F. Brown, M. D.....	1.25
I. L. Carpenter, M. D.....	4.00

Herman Christophe, M. D.....	\$6.00
J. M. Collity, M. D.....	17.75
E. H. Currier, M. D.....	2.75
Walter T. Crosby, M. D.....	5.75
Charles Chirurg, M. D.....	7.75
J. A. Choquette, M. D.....	1.00
Charles L. Curtiss, M. D.....	6.25
P. W. F. Corning, M. D.....	1.25
Mary Danforth, M. D.....	6.75
George M. Davis, M. D.....	23.75
R. H. Dillon, M. D.....	6.00
Clarence M. Dodge, M. D.....	3.75
E. B. Dunbar, M. D.....	12.75
J. H. DeGross, M. D.....	3.50
C. F. Flanders, M. D.....	20.75
John D. Ferguson, M. D.....	6.00
George Frechette, M. D.....	17.75
E. N. Fugere, M. D.....	36.50
C. A. Folsom, M. D.....	6.25
George S. Foster, M. D.....	3.50
John Gleason, M. D.....	4.25
Moise Guerin, M. D.....	23.50
Noel E. Guillet, M. D.....	3.25
George B. Hoitt, M. D.....	5.25
M. E. Kean, M. D.....	7.00
J. A. Lacasse, M. D.....	22.75
Susan Laflamme	28.25
Gustave LaFontaine, M. D.....	23.75
J. E. A. Lanouette, M. D.....	54.25
J. E. Larochelle, M. D.....	21.75
Z. A. Lavoie, M. D.....	65.75
J. E. Lemaitre, M. D.....	5.25
J. D. Lemay, M. D.....	11.75
William H. Lyons, M. D.....	16.25
J. W. D. McDonald, M. D.....	7.50
C. W. Milliken, M. D.....	5.00
M. V. B. Morse, M. D.....	.75
John T. Murray, M. D.....	4.25
G. B. Morey, M. D.....	2.25
Clara Odman	6.75
D. W. Parker, M. D.....	3.25
W. M. Parsons, M. D.....	1.00
W. H. Pattee, M. D.....	5.00
Frederick Perkins, M. D.....	1.50
Anna Pollmer	12.00
J. F. Robinson, M. D.....	4.00

William Richardson, M. D.....	\$3.25
F. N. Rogers, M. D.....	3.25
J. E. E. Roy, M. D.....	.25
Nicholas Sasseville, M. D.....	8.00
Mrs. W. G. Smith.....	.50
Servule St. Pierre, M. D.....	17.25
Gillis Stark, M. D.....	11.75
C. D. Stewartson, M. D.....	1.50
Henry L. Stickney, M. D.....	6.25
A. Gale Straw, M. D.....	.75
Zatae L. Straw, M. D.....	11.50
C. A. Sturtevant, M. D.....	5.25
C. B. Sturtevant, M. D.....	3.50
James Sullivan, M. D.....	5.50
Emil Sylvain, M. D.....	16.25
Joseph Taylor, M. D.....	18.00
W. A. Thompson, M. D.....	5.75
A. J. Todd, M. D.....	2.00
George D. Towne, M. D.....	.25
E. C. Tremblay, M. D.....	8.00
Maurice Watson, M. D.....	2.00
George M. Watson, M. D.....	28.25
N. B. Webber, M. D.....	6.75
R. W. Weeks, M. D.....	3.50
Arthur F. Wheat, M. D.....	3.00
George C. Wilkins, M. D.....	8.75
M. W. Work, M. D.....	1.50

 \$804.00

MARRIAGES.

Rev. C. A. Bailey.....	\$1.50
Rev. Edgar Blake.....	3.50
Rev. James H. Brennan.....	13.00
Rev. Thomas Chalmers.....	3.50
Rev. J. A. Chevalier.....	19.75
Rev. N. L. Colby.....	15.00
Rev. G. H. Crafts.....	.25
Rev. John S. Curtis.....	.25
Rev. J. H. C. Davignon.....	17.50
Rev. J. R. Dinsmore.....	.50
William Diehl.....	.25
Rev. C. H. Farnsworth.....	.75
I. E. & W. W. Forbes.....	6.00
Rev. David Fraser.....	2.00
Rev. Charles S. Frost.....	1.25
Rev. G. A. Guertin.....	2.00

INCIDENTAL EXPENSES.

41

Rev. George E. Hathaway.....	\$0.75
Rev. Pierre Hevey.....	20.25
Rev. Burton L. Hesse.....	.25
Rev. John Kamm.....	2.00
Rev. N. E. Kron.....	1.25
Jacob Kaplowitz .....	.25
Rev. Carl Karlson.....	.50
Rev. Charles P. Kittredge.....	.50
Rev. J. B. Lemon.....	1.75
Rev. B. W. Lockhart.....	3.00
Rev. J. J. Lyons.....	8.75
Rev. D. J. Many, Jr.....	.75
Rev. G. A. Miller.....	4.25
Rev. E. J. Palisoul.....	1.00
Rev. John B. Puchala.....	17.25
Rev. Arthur N. Peaslee.....	2.00
Rev. Samuel Russell.....	6.25
Herman Rodelsperger	2.50
Rev. J. E. Robbins.....	.50
Rev. M. L. Robinson.....	1.25
E. C. Smith.....	1.75
Rev. W. D. Spencer.....	.25
Rev. Florian Widman.....	2.25
Roman Wolynice .....	.25

\$166.50

DAMAGES AND JUDGMENTS.

Arthur W. Bradley.....	\$10.00
James F. Briggs.....	130.00
George H. Dunbar.....	100.00
James R. Leach.....	40.00
Mary Sullivan, guardian.....	125.00
Harry A Titus.....	1,517.16

\$1,922.16

CITY COUNCIL AND COMMITTEES.

W. P. Goodman, 1 record book.....	\$1.32
H. W. Spaulding, cash paid for postals, stamps	2.43

\$3.75

TEAMS FOR COUNCIL AND COMMITTEES.

E. S. Beauregard.....	\$5.00
J. P. Brown.....	30.00
Boyd Brothers	25.00
Fifield & Brown.....	36.75

W. J. Freeman.....	\$30.00	
W. Y. Hadlock & Co.....	20.00	
H. H. Lamoureux.....	5.00	
Manchester Automobile Garage.....	10.00	
Manchester Street Railway Co.....	5.00	
James W. Richards.....	5.00	
Sullivan & Co.....	5.00	
C. H. Simpson.....	5.00	
W. C. Spear.....	5.00	
		<hr/>
		\$186.75

CITY SCALES.

L. B. Bodwell & Co., coal.....	\$11.25	
E. W. Poore, wood.....	6.60	
		<hr/>
		\$17.85

MAYOR.

Blackbird Pen Co., pens.....	\$2.00	
W. P. Goodman, stationery and books.....	10.75	
Municipal Journal and Engineer, one sub- scription	3.00	
Temple & Farrington Co., books, pamphlet law	6.00	
		<hr/>
		\$21.75

TAX COLLECTOR.

E. H. Clough, stamped envelopes.....	\$42.80	
Independent Statesman, advertising nonresi- dent tax list.....	9.00	
Francis Pratt, Jr., pens.....	3.00	
Temple & Farrington Co., books and sta- tionery	12.75	
Morris Thieberger, printing circulars.....	5.00	
John B. Varick Co., 1 postal scale, 3 badges	6.75	
		<hr/>
		\$79.30

CITY CLERK.

H. B. Hopkins, repairing typewriter.....	\$0.40	
Novelty Co., ink pad.....	.50	
Remington Typewriter Co., 1 No. 8 type- writer	94.50	
Remington Typewriter Co., 1 eight-drawer cabinet	35.00	
Remington Typewriter Co., books.....	37.73	

INCIDENTAL EXPENSES.

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Remington Typewriter Co., card cylinder, roll, etc.	\$10.14
E. A. Stratton Co., 1 book.....	6.50
Temple & Farrington Co., 1 book, manuscript covers	9.00
Western Union Telegraph Co., clock rental..	12.00

 \$205.77

CITY TREASURER.

F. L. Allen, cash paid for ink-wells.....	\$1.00
Amoskeag National Bank, rent of safety de- posit boxes	40.00
Birmingham Pen Co., pens.....	1.25
City Trust Co., preparation and certification of refunding bonds.....	75.00
W. P. Goodman, rubber bands.....	1.50
H. B. Hopkins, adjusting typewriter, ribbons	3.60
A. E. Martell Co., manifold books.....	7.50
N. E. Telephone & Telegraph Co., tolls ....	.60
Office Toilet Supply Co., service.....	9.75
Francis Pratt, Jr., pens.....	3.00
S. Singer, 1 filing book.....	1.75
Temple & Farrington Co., books and station- ery	14.72

 \$159.67

COURT HOUSE.

Manchester Coal & Ice Co., coal.....	\$160.09
Maxwell Ice Co., wood.....	13.50
Moore & Preston Coal Co., coal.....	288.04
People's Gas Light Co., gas.....	59.31
William Reardon, janitor.....	37.50
David T. Robinson, janitor.....	12.50
Gustave F. Hecker, janitor.....	550.00

 \$1,120.94

CITY SOLICITOR.

George A. Wagner, expenses to Concord dur- ing session of legislature.....	\$12.75
George A. Wagner, recording deed, services of stenographer	15.11

 \$27.86

BUILDING INSPECTOR.

American Locomotive Co., 1 iron casting..	\$4.73
N. E. Telephone & Telegraph Co., use of tele- phone	29.55

John B. Varick Co., sheet lead.....	\$0.45
John Wiley & Sons, 1 book.....	1.73

 \$36.46

FOWLS KILLED BY DOGS.

Harry I. Blanchard.....	\$5.00
Napoleon Bournival.....	21.00
Zulma Dupuis.....	5.00
Howard W. Millar.....	6.00
G. M. Morse.....	26.50

 \$63.50

SUNDRIES.

Fred L. Allen, expenses to Boston and Concord, sundry times.....	\$30.05
American Express Co., express on reports..	7.30
Charles M. Bailey, V. S., examination of horse	2.00
C. B. Clarkson, adjusting and sealing city of Manchester sealer's outfit, weighing coal	13.10
E. H. Clough, postage stamps.....	135.00
Thomas B. Donnelly, labor on ordinances...	52.00
W. P. Goodman, directories.....	122.50
W. P. Goodman, books and stationery.....	13.09
J. L. Golden, V. S., 1 visit horse hurt on street	2.00
Charles C. Hayes, premium on surety bonds for city officials	340.00
Hartford Steam Boiler Inspection & Insurance Co., boiler insurance, city hall and court house	36.00
E. H. Holmes, freight and cartage.....	.50
J. G. Jones, freight and cartage on bill boxes	.75
Manchester Traction, Light & Power Co., lights at ward 10 engine house.....	26.55
J. S. Mason & Co., badges and repairs.....	25.24
C. S. Morgan, running boiler at library 12 days	6.00
New England Telephone & Telegraph Co., service, city physician.....	26.00
Edward N. Pearson, engrossing acts.....	2.25
Thomas D. Paris, insurance premium, Goffe's Falls schoolhouse	50.00
Thomas D. Paris, appraising real estate....	10.00
F. M. Ray, burying horse.....	7.00

Edward C. Smith, return of 1,283 names of children not returned by physicians, 1906, 1907	\$320.75	
Temple & Farrington Co., 100 boxes for reports	4.50	
Town of Goffstown, tax.....	2.36	
Water commissioners, use of water, battery building	10.25	
	<hr/>	\$1,245.19
Total expenditures		\$6,061.45
Transferred to unappropriated money.....		1,938.55
		<hr/>
		<hr/> \$8,000.00 <hr/>

City Officers' Salaries.

Appropriation	\$21,000.00	
Transferred from unappropriated money....	430.98	
	<hr/>	\$21,430.98
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EXPENDITURES.

CENTRAL DEPARTMENT.

Eugene E. Reed, mayor.....	\$1,800.00
Fred L. Allen, treasurer.....	1,350.00
Edward C. Smith, city clerk.....	1,350.00
Edward C. Smith, clerk of committees.....	200.00
George E. Morrill, tax collector.....	1,350.00
George E. Morrill, team.....	150.00
Edwin C. Paul, deputy collector.....	800.00
Denis Vigneault, deputy collector.....	800.00
A. S. Rich, deputy collector.....	777.74
George A. Wagner, city solicitor.....	800.00
Edwin S. Foster, building inspector.....	950.00
John A. Barker, messenger.....	525.00
John A. Barker, team.....	112.50
James R. Ferson, messenger.....	175.00
James R. Ferson, team.....	37.50
Gilbert Lyons, weigher.....	500.00
J. Powers, weigher.....	13.88
Charles Robitaille, messenger.....	40.00
Harry W. Spaulding, clerk common council..	100.00
Eva G. Jones, clerk for city clerk.....	600.00
Eva B. Larivee, clerk for city clerk.....	540.00
Susie E. Wason, mayor's clerk.....	630.00

Mrs. F. L. Whittier, treasurer's clerk.....	\$509.87	
Mrs. Blanche E. Wheeler, treasurer's clerk..	174.99	
Mabel How, treasurer's clerk.....	12.00	
May Davis, clerical services, tax collector..	42.50	
A. T. Barr, clerical services, tax collector..	20.00	
Fred R. Currier, clerical services, tax collector	13.50	
C. A. Jones, clerical services, tax collector..	15.00	
F. D. Hanscom, clerical services, tax collector	8.00	
E. D. Miville, clerical services, tax collector	17.50	
Robert A. Morrill, clerical services, tax collector	63.00	
L. M. Streeter, clerical services, tax collector	25.00	
		<hr/>
		\$14,502.98

CITY PHYSICIAN AND OVERSEERS OF POOR.

George L. Bastian, M. D., city physician....	\$600.00	
Michael Herbert, ward 1.....	50.00	
D. G. Andrews, ward 2.....	50.00	
Joseph L. Boudreau, ward 3.....	50.00	
Charles B. Clarkson, ward 4.....	50.00	
Thomas F. Sheehan, ward 5.....	50.00	
John F. Healy, ward 6.....	50.00	
William Marshall, ward 7.....	50.00	
George W. Flint, ward 8.....	50.00	
Philip Pellerin, ward 9.....	50.00	
Peter J. Charron, ward 10.....	50.00	
Thomas C. Stewart, clerk.....	125.00	
Eugene E. Reed, chairman, <i>ex officio</i>	50.00	
		<hr/>
		\$1,275.00

SCHOOL OFFICERS AND BOARD OF SCHOOL COMMITTEE.

Charles W. Bickford, school superintendent..	\$2,300.00	
Curtis W. Davis, truant officer.....	1,000.00	
Harry L. Davis, clerk of school board.....	150.00	
Eugene E. Reed, chairman, <i>ex officio</i>	10.00	
William Parker Straw, president of common council, <i>ex officio</i>	10.00	
Elmer D. Goodwin, ward 1.....	10.00	
James A. Sayers, ward 1.....	10.00	
George M. Davis, ward 2.....	10.00	
Allan M. Wilson, ward 2.....	10.00	
Joel S. Daniels, ward 3.....	10.00	
Frank L. Downs, ward 3.....	10.00	
Nathaniel L. Colby, ward 4.....	10.00	
William A. Phinney, ward 4.....	10.00	

John F. Lee, ward 5.....	\$10.00
Dennis F. O'Neil, ward 5.....	10.00
Harry L. Davis, ward 6.....	10.00
Maurice Watson, ward 6.....	10.00
Edward B. Woodbury, ward 7.....	10.00
Edson S. Heath, ward 7.....	10.00
Walter B. Mitchell, ward 8.....	10.00
Frank A. Cadwell, ward 8.....	10.00
T. F. Cronin, ward 9.....	10.00
Arthur L. Prince, ward 9.....	10.00
F. X. Lyons, ward 10.....	10.00
John H. Rice, ward 10.....	10.00

\$3,670.00

BOARD OF ALDERMEN.

Ernest W. Weisner, ward 1.....	\$200.00
Joseph H. Geisel, ward 2.....	183.00
Fred O. Parnell, ward 3.....	200.00
Albert T. Barr, ward 4.....	200.00
Richard J. Barry, ward 5.....	200.00
Andrew B. Bunton, ward 6.....	200.00
Robert Edgar, ward 7.....	200.00
James E. McDonald, ward 8.....	200.00
Gedeon Lariviere, ward 9.....	200.00
John J. Connor, ward 10.....	200.00

\$1,983.00

Total expenditures	\$21,430.98
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Assessors' Department.

Appropriation	\$8,500.00
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EXPENDITURES.

SALARIES.

George A. Clark chairman.....	\$1,500.00
William P. Farmer.....	1,500.00
Joseph O. Tremblay.....	1,500.00

\$4,500.00

Arthur W: Rowell, clerk of board.....	\$1,200.00
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CLERICAL SERVICES.

Albert T. Barr.....	\$134.75
J. W. Z. Bernard.....	42.50
Fred R. Currier.....	223.00
Charles W. Brown.....	134.75
Michael Dusopol	30.00
Arthur H. Fletcher.....	137.50
John F. Gillis	32.50
C. C. Hardy.....	111.25
Frank A. Lane.....	134.75
Donat Lefebvre	32.50
John McCabe	42.50
Emile D. Miville.....	140.25
John Montplaisir	40.00
W. J. Murphy.....	32.50
Christophe Reischer	30.00
Harry L. Rose.....	25.00
George F. Sheehan.....	42.50
E. A. G. Smith.....	30.00
Leroy M. Streeter.....	37.50
George Taylor	37.50
Morris Thieberger	35.00
Charles D. Trudell.....	30.00
Emelienne R. Tremblay.....	22.50
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	\$1,558.75

USE OF TEAMS.

Boyd Brothers.....	\$18.00
J. P. Brown.....	12.00
Brooks & Vogel.....	31.00
W. J. Freeman.....	11.00
Fifield & Brown.....	23.00
A. L. Gadbois.....	13.50
John F. Gillis.....	4.50
D. N. Gove.....	2.50
Eugene G. Libbey.....	36.50
James W. Richards.....	6.00
George W. Reed.....	12.50
C. H. Simpson.....	5.00
L. M. Streeter.....	22.50
George Taylor	10.50
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	\$208.50

SUPPLIES.

L. B. Bodwell & Co., ice.....	\$5.85
John B. Clarke Co., advertising notices.....	27.17
John B. Clarke Co., printing envelopes.....	3.75
E. H. Clough, stamped envelopes.....	70.80
Farrell Brothers, electric supplies and labor	8.33
A. M. Finney, cane seating chairs.....	5.00
N. E. Finney, caning chairs.....	5.00
W. P. Goodman, stationery.....	22.07
John F. Gillis, commercial reports.....	18.00
C. A. Hoitt Co., repairing curtains, fixing map, etc.	6.17
Library Bureau, fixing chain in roller curtain	8.05
A. Richard LeRevers, reprinting returns, ad- vertising	11.00
L'Avenir National, advertising notice.....	11.40
Manchester Typewriter Exchange, brazing yoke .....	.75
J. H. Mendell Co., lumber and labor.....	36.65
J. J. Moreau & Co., 12 boxes.....	12.00
New England Telephone & Telegraph Co., telephone service	58.32
Office Toilet Supply Co., toilet service.....	9.75
Arthur A. Smith, repairing typewriter.....	4.25
Lilla D. Stott, deeds, mortgages, discharges, etc.	314.95
E. A. Stratton Co., printing and stationery..	44.85
Temple & Farrington Co., books and station- ery	146.75
J. O. & L. P. Tremblay, repairing drawer...	1.00
J. O. Tremblay, express, carfares, sundries	145.22
Union Publishing Co., publishing notices....	20.44
John B. Varick Co., punch and tacks.....	.60
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	\$998.12
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Total expenditures	\$8,465.37
Transferred to unappropriated money.....	34.63
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	\$8,500.00
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Auditor's Department.

Appropriation	\$2,100.00
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EXPENDITURES.

LABOR.

James E. Dodge, salary as auditor.....	\$1,200.00	
Lizzie M. Cogswell, services as clerk.....	780.00	
		<hr/>
		\$1,980.00

SUPPLIES.

L. M. Cogswell, paid for laundry and soap..	\$3.55	
L. M. Cogswell, postals, postage, books, and stationery	14.11	
L. M. Cogswell, 1 clock.....	3.50	
James E. Dodge, cash paid for delivering reports, express, sandpaper.....	2.00	
George H. Dickerman Paper Box Co., 200 folding document file boxes.....	8.00	
Globe-Wernicke Co., desk units.....	30.00	
W. P. Goodman, books and stationery.....	12.39	
Granite State Rubber Co., 1 blanket.....	1.50	
Ideal Stamp Co., repairing numbering machine	2.50	
Ideal Stamp Co., 1 stamp and repairs.....	1.50	
J. G. Jones, freight and cartage.....	1.00	
Kee Lox Manufacturing Co., carbon paper..	6.00	
Municipal Journal and Engineer, one subscription	3.00	
Manchester Hardware Co., glue.....	.25	
Remington Typewriter Co., 1 ribbon.....	.75	
S. Singer, 1 filing book.....	2.50	
Temple & Farrington Co., blank books.....	13.50	
Temple & Farrington Co., files, binding books, 1 pamphlet law.....	6.75	
John B. Varick Co., paper.....	.89	
J. A. Williams, printing postals, letter heads	5.50	
		<hr/>
		\$119.19

Total expenditures	\$2,099.19	
Transferred to unappropriated money.....	.81	
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		\$2,100.00
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Mayor's Incidentals.

Appropriation	\$300.00
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EXPENDITURES.

Eugene E. Reed, incidentals.....	\$295.00
Total expenditures	\$295.00
Transferred to unappropriated money.....	5.00
	<u>\$300.00</u>

Street and Park Commission.

Appropriation	<u>\$3,300.00</u>
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EXPENDITURES.

SALARIES.

William McElroy, chairman.....	\$600.00
Fred K. Ramsey.....	180.00
Samuel J. Lord.....	824.94
Byron Worthen	600.00
	<u>\$2,204.94</u>

CLERICAL SERVICES.

Fred K. Ramsey.....	\$187.50
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USE OF TEAMS.

William McElroy	\$150.00
Fred K. Ramsey	40.83
Byron Worthen	150.00
	<u>\$340.83</u>

SUPPLIES, ETC.

Boston & Maine Railroad, freight.....	\$5.86
John B. Clarke Co., printing and advertising	23.25
John B. Clarke Co., printing 125 reports, 8 plates	35.20
H. H. Clement, cash paid for express, car- fares, etc.	14.64
Oliver Comire, repairing harnesses.....	12.15
W. H. Bickford, scavenger service.....	160.22
S. P. Dodge Co., repairing wheel.....	1.95
W. P. Goodman, books and stationery.....	14.80
C. A. Hoitt Co., chairs and cushions.....	12.50
J. F. Moore, clay.....	5.00

William McElroy, expenses of board to sundry cities	\$30.17	
Municipal Publishing Co., subscription.....	3.00	
New England Telephone & Telegraph Co., telephone service	135.75	
C. J. Peters & Son Co., engraving cuts.....	29.00	
E. L. Powers Co., subscription to "Good Roads" magazine	1.00	
Temple & Farrington Co., books and stationery	45.74	
Union Publishing Co., publishing notice....	.39	
John B. Varick Co., files, hose, pencils.....	8.79	
J. Arthur Williams, printing blanks, paper, etc.	16.00	
Frank E. Woods, pens.....	1.50	
Byron Worthen, railroad fares.....	9.82	
		<hr/>
		\$566.73
Total expenditures		<hr/>
		\$3,300.00
		<hr/>

Repairs of Highways.

Appropriation	\$44,200.00	
Received for labor and sale of stone.....	635.79	
		<hr/>
		\$44,835.79
		<hr/>

EXPENDITURES.

LABOR.

Division No. 2:		
January	\$73.22	
February	74.51	
March	43.28	
April	1,459.91	
May	1,160.03	
June	1,712.18	
July	1,960.30	
August	1,896.47	
September	1,364.75	
October	1,409.41	
November	1,595.82	
		<hr/>
		\$12,749.88

REPAIRS OF HIGHWAYS.

53

Division No. 4:

April	\$95.87
June	132.00
July	66.00
December	70.25

\$364.12

Division No. 5:

May	\$18.00
June	35.75
August	28.25
November	98.12
December	29.49

\$209.61

Division No. 7:

January	\$54.24
February	21.00
March	43.87
April	531.41
May	815.76
June	910.78
July	354.73
August	208.98
September	455.50
October	269.73
November	228.12
December	69.50

\$3,963.62

Division No. 8:

April	\$19.50
May	26.00
June	142.75
July	208.00
August	21.00
September	53.12
October	316.50
November	192.25
December	82.10

\$1,061.22

Division No. 9:

April	\$31.75
June	263.86
July	124.73
September	193.48
October	215.48
November	147.11
December	1.87

\$978.28

Division No. 10:

January	\$5.00	
February	18.00	
March	69.22	
April	1,251.73	
May	1,210.55	
June	1,165.56	
July	955.13	
August	668.73	
September	2,112.30	
October	1,936.65	
November	1,756.00	
December	416.20	
	<hr/>	\$11,565.07
Henry Fisk	\$12.09	
S. Grover	56.25	
Harold M. Haskell	25.00	
	<hr/>	\$93.34

LUMBER, ETC.

Head & Dowst Co., lumber.....	\$4.16	
J. H. Mendell Co., replanking bridges.....	1,049.21	
C. M. Wheeler, posts.....	53.08	
John B. Varick Co., hardware.....	231.46	
	<hr/>	\$1,337.91

REPAIRS.

Amoskeag Manufacturing Co., 1 belt and labor; repairing stone crusher.....	\$31.70	
Drew Machinery Agency, pulleys, steel, labor	27.31	
Pike & Heald Co., pipe and labor.....	4.62	
Robie Consolidated Concrete Co., repairs....	1,606.56	
	<hr/>	\$1,670.19

STONE, GRAVEL, ETC.

Charles A. Bailey, broken stone.....	\$394.95	
C. A. Brooks, gravel and sand	15.65	
Lawrence Connor, gravel.....	1.50	
Eva L. George, gravel.....	23.50	
Mark E. Harvey, gravel.....	5.90	
Cleaves N. Harvey, gravel.....	4.30	
Maurice L. Hoitt, gravel.....	98.37	
Eugene Libbey, gravel.....	.40	
John Lovering, gravel.....	3.90	
J. M. Lurvey, gravel.....	6.00	

Manchester Cement Block & Concrete Co., sand and gravel.....	\$95.44	
Oliver Merrill, gravel.....	3.10	
Winchester Stone Co., stone.....	5,173.60	
		<hr/>
		\$5,826.61

SUNDRIES.

Charles A. Bailey, building bank wall.....	\$965.12	
L. B. Bodwell & Co., coal.....	462.94	
A. B. Black, 1 gutter and street plow.....	100.00	
Boston & Maine Railroad, freight.....	44.70	
Buffalo Steam Roller Co., 1 15-ton steam road roller (6/7 contract price).....	3,004.55	
Buffalo Steam Roller Co., 1 scraper bracket..	2.50	
J. H. Campbell, use of water.....	3.00	
James F. Cavanaugh, carfare to Boston and return, two pavers	4.28	
Good Roads Machinery Co., 1 screen roller..	2.00	
Hartford Steam Boiler Inspection & Insur- ance Co., insurance premium.....	45.52	
Manchester Oil & Supply Co., grease.....	1.50	
Manchester Traction, Light & Power Co., power for portable crusher.....	43.02	
National Coal Tar Co., tarvia.....	237.37	
New England Telephone & Telegraph Co., use of telephone.....	21.67	
Henry Parker, cement.....	22.50	
Pike & Heald Co., 1 valve.....	1.27	
J. P. Russell, coal.....	11.00	
Water commissioners, water furnished crusher	17.50	
Arthur A. Warren, oil.....	20.00	
Wiggin-Young Co., oil.....	5.50	
		<hr/>
		\$5,015.94
Total expenditures		<hr/>
		\$44,835.79
		<hr/>

New Highways.

Appropriation	\$5,000.00
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EXPENDITURES.

LABOR.

Division No. 2:	
May	\$5.00

Division No. 7:

May	\$69.37	
June	110.36	
July	387.14	
August	1,156.79	
September	53.74	
October	923.48	
November	1,627.11	
December	461.76	
	<hr/>	\$4,789.75

Division No. 10:

October	\$23.00
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SUNDRIES.

L. B. Bodwell & Co., coal and ice.....	\$60.46	
Boston & Maine Railroad, freight.....	52.50	
C. D. Steele & Co., soap and matches.....	1.35	
John B. Varick Co., hardware and tools....	67.94	
	<hr/>	\$182.25
Total expenditures		<hr/> <hr/> \$5,000.00

Snow and Ice.

Appropriation	\$9,000.00	
Transferred from unappropriated money....	2,799.11	
	<hr/>	<hr/> <hr/> \$11,799.11

EXPENDITURES.

LABOR.

Division No. 2:

January	\$1,900.05	
February	1,874.65	
March	2,401.64	
	<hr/>	\$6,176.34

Division No. 4:

January	\$32.50	
March	77.37	
	<hr/>	\$109.87

Division No. 5:

February	\$27.00	
March	28.25	
	<hr/>	\$55.25

Division No. 7:

January	\$291.07	
February	358.81	
March	279.15	
		<u>\$929.03</u>

Division No. 8:

January	\$54.50	
February	39.50	
March	67.75	
		<u>\$161.75</u>

Division No. 10:

January	\$1,138.37	
February	1,207.57	
March	996.51	
		<u>\$3,342.45</u>

SUNDRIES.

T. J. Briggs, repairing cover.....	\$0.25	
Hannagan Gutter Snow Plow Co., 4 gutter plows	300.00	
J. H. Mendell Co., lumber and labor.....	116.24	
Pike & Heald Co., glasses, gaskets, etc.....	.63	
Robie Consolidated Concrete Co., sand.....	577.25	
John B. Varick Co., tools and hardware....	30.05	
		<u>\$1,024.42</u>
Total expenditures		<u><u>\$11,799.11</u></u>

Watering Streets.

Appropriation	<u><u>\$7,000.00</u></u>
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EXPENDITURES.

LABOR.

Division No. 2:

February	\$92.24	
March	340.55	
April	25.00	
May	317.73	
June	476.83	
July	610.89	
August	626.59	
September	282.41	
October	48.35	
November	1,916.93	
December	4.24	
		<u>\$4,741.76</u>

Division No. 7:

March	\$2.25
April	2.25
May	83.37
June	140.62
July	291.36
August	236.87
September	106.87
October	2.25

\$865.84

Division No. 10:

February	\$54.35
March	1.75
April	15.25
May	74.50
June	96.37
July	215.62
August	286.86
September	128.25
October	54.12
November	1.75

\$928.82

SUPPLIES AND REPAIRS.

L. B. Bodwell & Co., ice.....	\$79.43
Boston & Maine Railroad, freight.....	1.87
William Bremner, use of water.....	2.00
S. P. Dodge Co., setting tire.....	1.50
Chandler Eastman & Sons, 1 set wheels....	120.00
Chandler Eastman & Sons, hose and repair- ing spring	12.07
Head & Dowst Co., lumber.....	1.48
Manchester Coal & Ice Co., ice.....	60.68
Maxwell Ice Co., ice.....	55.65
J. H. Mendell Co., pipe and labor.....	2.98
Henry W. Parker, salt.....	1.40
Pike & Heald Co., pipe, faucets, etc.....	72.61
John B. Varick Co., hardware.....	33.50
Joseph Vogel & Co., harness repairs and sup- plies	10.50
West Side Lumber Co., lumber.....	7.06
C. L. Wolf, pipe.....	.85

\$463.58

Total expenditures

\$7,000.00

Paving Streets.

Appropriation	\$5,000.00	
Received for labor and sale of stone.....	1,582.34	
		<u>\$6,582.34</u>

EXPENDITURES.

LABOR.

Division No. 2:		
April	\$33.99	
May	182.59	
June	54.56	
July	284.26	
August	124.22	
September	461.70	
October	1,454.57	
		<u>\$2,595.89</u>

Division No. 7:		
October		\$206.04

Division No. 10:		
June	\$5.50	
July	3.75	
September	3.75	
October	425.61	
		<u>\$438.61</u>

SUNDRIES.

Charles A. Bailey, stone.....	\$378.68	
Boston & Maine Railroad, freight.....	.50	
Harold L. Bond Co., push brooms.....	9.25	
Joseph Davidson, cutting stone.....	55.14	
Maurice L. Hoitt, stone.....	99.00	
Palmer & Garmon, paving blocks.....	772.45	
H. W. Parker, cement.....	559.84	
Robie Consolidated Concrete Co., paving repairs	1,435.84	
W. H. Topping, sod and labor, changing curb	4.00	
John B. Varick Co., lanterns, wicks, locks...	15.50	
A. A. Warren, oil.....	5.00	
Wiggin-Young Co., oil.....	6.60	
		<u>\$3,341.80</u>

Total expenditures	<u>\$6,582.34</u>
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Macadamizing Streets.

Appropriation	\$7,000.00
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EXPENDITURES.

LABOR.

Division No. 2:		
May		\$4.25
July		3.50
September		2.50
November		17.06
December		881.13
		\$908.44
Division No. 7:		
July		\$140.36
October		389.36
		\$529.72

FUEL, HARDWARE, WATER.

L. B. Bodwell & Co., coal.....	\$51.75
Benjamin Greer, wood.....	13.50
John B. Varick Co., tools and hardware....	76.86
Water commissioners, use of water.....	52.50
	\$194.61

CASTINGS, REPAIRS, ETC.

American Locomotive Co., repairing boiler..	\$95.00
C. A. Bailey, stone curbing.....	111.95
W. H. Bickford, scavenger service.....	160.22
Arthur S. Brown, oats.....	1,039.71
A. B. Black, springs for crusher.....	14.00
Buffalo Steam Roller Co., 1-7 contract price for one 15-ton roller.....	500.00
Oliver Comire, repairing harness, etc.....	10.70
Drew Machinery Agency, grease cups, spring stud	7.50
H. B. Dunton, V. S., 1 visit.....	2.00
Good Roads Machinery Co., sprocket and shaft	2.50
Head & Dowst Co., lumber and labor.....	101.02
F. K. Hubbard, veterinary medicine.....	12.00
C. Johnson, 8 steps.....	32.00
Manchester Traction, Light & Power Co., supplies,	32.68
Manchester Traction, Light & Power Co., motor and connecting	456.00

Manchester Traction, Light & Power Co., electricity for crusher.....	\$18.00	
Manchester Cement Block & Concrete Co., gravel and sand.....	14.63	
F. F. Osgood, belt lacing.....	.50	
Palmer & Garmon, paving blocks.....	945.63	
H. W. Parker, cement, soap.....	57.45	
Pike & Heald Co., packing, etc.....	5.33	
People's Gas Light Co., gas, city stables.....	10.45	
Robie Consolidated Concrete Co., paving and repairs	1,345.16	
Joseph Vogel & Co., harness repairs.....	10.50	
A. A. Warren, oil.....	5.00	
Winchester Stone Co., broken stone.....	377.30	
		<u>\$5,367.23</u>
Total expenditures		<u><u>\$7,000.00</u></u>

Grading for Concrete.

Appropriation	\$3,500.00	
Received for labor.....	11.47	
		<u>\$3,511.47</u>

EXPENDITURES.

LABOR.

Division No. 2:		
May	\$70.00	
June	91.97	
July	120.50	
August	170.77	
September	621.60	
		<u>\$1,074.84</u>
Division No. 7:		
July	\$46.37	
September	84.00	
		<u>\$130.37</u>
Division No. 10:		
May	\$22.50	
July	40.24	
September	224.24	
		<u>\$286.98</u>

SUNDRIES.

Ame & Co., "Standard Food".....	\$15.00	
C. A. Bailey, circles, curbing.....	1,606.26	
C. M. Bailey, V. S., services.....	4.00	
A. S. Brown, grain.....	45.65	
L. B. Bodwell & Co., coal.....	25.27	
Oliver Comire, repairing harness, etc.....	24.55	
S. P. Dodge Co., shafts, spoke, rim.....	6.35	
Kimball Carriage Co., harness supplies and repairs	20.60	
A. Laberge, edgestone.....	40.00	
Gilbert Lyons, weighing oats.....	4.10	
H. W. Parker, salt.....	.75	
People's Gas Light Co., gas, city stables....	12.32	
Robie Consolidated Concrete Co., repairs....	121.01	
C. D. Steele & Co., soap.....	.25	
John B. Varick Co., hardware.....	48.42	
Joseph Vogel & Co., harness repairs.....	16.75	
George E. Watson, sand.....	8.00	
Water commissioners, use of water, city stables	20.00	
		<u>\$2,019.28</u>
Total expenditures		<u><u>\$3,511.47</u></u>

Scavenger Service.

Appropriation	\$25,000.00	
Received for labor.....	289.32	
		<u>\$25,289.32</u>

EXPENDITURES.

LABOR.

Division No. 2:		
January	\$1,485.41	
February	1,690.04	
March	1,377.99	
April	2,232.45	
May	1,581.87	
June	1,162.81	
July	1,448.51	
August	1,148.86	
September	1,147.74	
October	1,544.35	
		<u>\$14,820.03</u>

Division No. 7:

January	\$249.79
February	270.87
March	214.47
April	315.36
May	234.48
June	222.50
July	261.37
August	208.25
September	220.75
October	286.37

\$2,484.21

Division No. 10:

January	\$288.67
February	347.23
March	269.63
April	488.74
May	447.92
June	403.81
July	556.77
August	338.71
September	279.34
October	387.44

\$3,808.26

SUNDRIES.

W. H. Bickford, contract work.....	\$1,762.42
L. B. Bodwell & Co., coal.....	164.61
A. S. Brown, grain.....	338.45
City farm, hay.....	1,738.68
S. P. Dodge Co., spokes, etc.....	7.00
Head & Dowst Co., lumber.....	3.41
Frank T. Moore, 1 set sleds.....	30.00
W. P. Paige, express on sleds.....	.75
Tiffin Wagon Co., 1 garbage cart, saddle, freight	113.55
John B. Varick Co., tools.....	17.95

\$4,176.82

Total expenditures \$25,289.32

Street Sweeping.

Appropriation \$5,000.00

EXPENDITURES.

LABOR.

Division No. 2:

April	\$319.24	
May	509.75	
June	564.22	
July	655.80	
August	502.39	
September	469.45	
October	700.06	
November	434.58	
December	993.49	
		<u>\$5,148.98</u>

Division No. 7:

December		\$32.12
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Division No. 10:

April	\$8.11	
May	15.75	
June	8.75	
July	50.75	
August	28.00	
September	44.25	
October	50.43	
November	95.36	
December	7.50	
		<u>\$308.90</u>

SUNDRIES.

George P. Ames, bought for sweepers, 28 overalls and jumpers	\$14.00	
Arthur S. Brown, grain.....	40.15	
Boston & Maine Railroad, freight.....	7.30	
Harold L. Bond Co., brooms and refilling....	28.00	
S. P. Dodge Co., wheel, band, setting tire....	5.75	
J. H. Strain Co., 1 scraper.....	343.20	
H. Thompson, brooms and refilling sweepers	68.00	
Pike & Heald Co., 2 tees.....	.10	
John B. Varick Co., ash cans.....	3.50	
		<u>\$510.00</u>

Total expenditures		<u>\$6,000.00</u>
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Bridges.

Appropriation	\$7,000.00	
Received for labor and material sold.....	500.68	
		<u>\$7,500.68</u>

EXPENDITURES.

LABOR.

Division No. 2:

April	\$78.26
May	56.11
June	12.67
July	227.45
August	108.38
September	15.00
October	39.12
November	12.88

\$549.87

Division No. 5:

November	\$43.50
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Division No. 7:

June	\$24.75
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Division No. 10:

June	\$9.50
August	248.69
September	63.28

\$321.47

MATERIAL AND REPAIRS.

Amoskeag Manufacturing Co., stock and labor	\$47.75
Cavanaugh Brothers, plank.....	156.50
Fellows, Clark & Co., plank.....	748.00
Fellows, Clark & Co., freight on lumber.....	59.00
Head & Dowst Co., plank.....	156.41
Hartford Steam Boiler Inspection & Insurance Co., insurance premium (hoisting engine)	30.00
Manchester Hardware Co., mauls.....	70
J. H. Mendell Co., repairing bridge over Boston & Maine Railroad, Elm street.....	3,343.27
H. W. Parker, cement.....	1,334.35
John B. Varick Co., hardware.....	63.34
Robie Consolidated Concrete Co., repairs....	118.18
Winchester Stone Co., broken stone.....	78.09
E. DeF. Wilkinson Co., elateroid coating....	228.00

\$6,363.59

SUNDRIES.

Boston & Maine Railroad, freight.....	\$173.25	
G. W. Dodge Shoe Co., rubber boots.....	21.00	
C. O. Polson, trucking ladders, etc.....	3.25	
		<u>\$197.50</u>
Total expenditures		<u><u>\$7,500.68</u></u>

New Bridge over Cohas Brook.

Appropriation	<u><u>\$2,000.00</u></u>
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EXPENDITURES.

LABOR.

Division No. 2:		
May	\$1.75	
December	7.05	
		<u>\$8.80</u>

SUNDRIES.

H. J. Rock, oil-cloth signs.....	\$4.20	
United Construction Co., contract for building	1,987.00	
		<u>\$1,991.20</u>
Total expenditures		<u><u>\$2,000.00</u></u>

City Teams.

Appropriation	\$8,000.00	
Received for labor.....	462.54	
		<u><u>\$8,462.54</u></u>

EXPENDITURES.

LABOR.

Division No. 2:		
January	\$528.06	
February	704.93	
March	310.08	
April	681.30	
May	349.45	
June	314.65	
July	479.57	
August	291.72	
		<u>\$3,659.76</u>

CITY TEAMS.

67

Division No. 8:

July	\$272.00	
August	273.75	
		<hr/>
		\$545.75

Division No. 10:

January	\$51.62	
February	46.37	
March	37.62	
April	36.75	
May	32.00	
June	32.00	
July	48.00	
August	30.00	
		<hr/>
		\$314.36

GRAIN, HAY, STRAW.

Adams Brothers	\$1.70	
Ame & Co.	50.00	
Arthur S. Brown	2,359.25	
Gage & McDougall	60.60	
D. Hammond & Son.....	28.09	
		<hr/>
		\$2,499.64

HARDWARE AND TOOLS.

John B. Varick Co.....	\$428.21
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HARNESSES AND REPAIRS.

Oliver Comire	\$113.00	
Kimball Carriage Co.....	29.00	
Ranno Saddlery Co.....	2.25	
J. Vogel & Co.....	47.80	
		<hr/>
		\$192.05

VETERINARY EXPENSES.

C. M. Bailey, V. S., attendance and medicine	\$59.00	
A. L. Dodge, V. S., attendance and medicine..	6.00	
J. L. Golden, liniment.....	8.00	
Andrew Leckie, liniment, etc.....	1.72	
W. B. Mitchell, liniment.....	1.28	
		<hr/>
		\$76.00

FUEL, GAS, TELEPHONE, WATER.

Charles Boisclair, coal.....	\$15.60	
Moore & Preston Coal Co., coal.....	84.42	
New England Telephone & Telegraph Co., use of telephone.....	4.93	
People's Gas Light Co., gas.....	105.40	
Water commissioners, use of water.....	94.50	
		<hr/>
		\$304.85

LUMBER, REPAIRS.

S. P. Dodge Co., repairing carts.....	\$136.20	
Head & Dowst Co., lumber and labor.....	92.37	
J. H. Mendell Co., lumber and labor.....	192.79	
Pike & Heald Co., copper bottom on tank....	1.00	
		<u>\$422.36</u>

SUNDRIES.

W. W. Morrison, metal polish.....	\$2.50	
People's Gas Light Co., gas stove.....	2.50	
C. D. Steele & Co., soap.....	2.20	
Wiggin-Young Co., oil, nails.....	12.36	
		<u>\$19.56</u>

Total expenditures		<u><u>\$8,462.54</u></u>
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Repairs of Sewers.

Appropriation	\$3,000.00	
Received for pipe and labor.....	163.25	
		<u><u>\$3,163.25</u></u>

EXPENDITURES.

LABOR.

Division No. 2:		
January	\$18.31	
March	6.14	
April	143.75	
May	360.54	
June	53.50	
July	562.96	
August	158.21	
September	166.81	
October	179.34	
November	1,575.38	
December	291.18	
		<u>\$3,518.12</u>
Division No. 7:		
July	\$105.34	
August	65.75	
November	109.50	
December	10.50	
		<u>\$291.09</u>

Division No. 10:

February	\$6.75	
April	51.89	
May	104.35	
July	184.07	
August	189.25	
September	118.00	
October	392.72	
November	1,063.47	
December	113.13	
		<hr/>
		\$2,223.63

MATERIAL, LABOR, ETC.

C. A. Bailey, cesspool stone, etc.....	\$416.90	
Boston & Maine Railroad, freight.....	38.75	
Concord Foundry & Machine Co., castings..	931.00	
G. W. Dodge Shoe Co., rubber boots.....	79.36	
W. F. Head & Son, brick.....	274.27	
Head & Dowst Co., boards and plank.....	327.83	
Manchester Supply Co., pipe.....	10.25	
H. W. Parker, lime.....	1.10	
John B. Varick Co., tools and dynamite.....	50.95	
		<hr/>
		\$2,130.41
Total expenditures		<hr/>
		\$8,163.25
		<hr/>

New Sewers.

Appropriation	\$30,000.00	
Received from sale of pipe.....	864.36	
		<hr/>
		\$30,864.36
		<hr/>

EXPENDITURES.

LABOR.

Division No. 2:

February	\$64.64	
May	107.68	
June	1,132.66	
July	2,981.04	
August	2,192.39	
September	1,676.54	
October	2,200.98	
November	1,282.63	
December	3,379.96	
		<hr/>
		\$15,018.52

Division No. 7:

June	\$276.97	
July	494.91	
August	84.00	
September	515.50	
October	4.00	
December	295.46	
		<hr/>
		\$1,670.84

Division No. 10:

May	\$40.50	
June	441.79	
July	559.08	
August	830.33	
September	123.61	
December	738.58	
		<hr/>
		\$2,733.89

MATERIAL, HARDWARE, SEWER PIPE, ETC.

J. J. Abbott, glass.....	\$5.05	
Boston & Maine Railroad, freight.....	111.14	
Concord Foundry & Machine Co., castings..	646.16	
Timothy Connor, building manholes.....	12.50	
G. W. Dodge Shoe Co., rubber boots.....	35.75	
Drew Machinery Agency, labor on bolts....	1.60	
George M. French, 20 poles.....	5.00	
Ingersoll-Rand Co., supplies.....	95.00	
Manchester Traction, Light & Power Co., poles	20.50	
J. H. Mendell Co., pipe.....	782.46	
Dennis Murphy, building manholes.....	12.50	
Pike & Heald Co., pipe.....	4,676.76	
John B. Varick Co., hardware.....	524.34	
		<hr/>
		\$6,928.76

BRICK, CEMENT, LUMBER.

Head & Dowst Co., lumber.....	\$511.48	
W. F. Head & Son, brick.....	618.68	
H. W. Parker, cement.....	245.52	
		<hr/>
		\$1,375.68

SUNDRIES.

L. B. Bodwell & Co., coal.....	\$80.01	
Hartford Steam Boiler Inspection & Insurance Co., insurance premium.....	51.58	
H. W. Parker, soap, oatmeal, soda.....	11.22	

COMMONS.

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J. P. Russell, coal.....	\$129.25	
Arthur A. Warren, oil.....	60.00	
Wiggin-Young Co., oil.....	5.50	
		<u>\$337.56</u>
Total expenditures		\$28,065.25
Transferred to unappropriated money.....		<u>2,799.11</u>
		<u><u>\$30,864.36</u></u>

Commons.

Appropriation	<u>\$4,500.00</u>
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EXPENDITURES.

LABOR.

January ..?	\$268.31	
February	283.19	
March	168.05	
April	230.85	
May	249.33	
June	259.42	
July	302.87	
August	209.37	
September	305.71	
October	311.78	
November	225.31	
December	102.53	
		<u>\$2,916.62</u>

PLANTS, ETC.

F. J. Bixby.....	\$162.00	
A. G. Hood.....	75.00	
A. P. Horne & Co.....	120.00	
Frank A. Koerner.....	26.00	
Kirby Brothers	138.83	
		<u>\$521.83</u>

ELECTRIC LIGHTS, GAS, WATER.

Manchester Traction, Light & Power Co., electric lights	\$33.00	
People's Gas Light Co., gas.....	16.20	
Water commissioners, use of water.....	728.50	
		<u>\$777.70</u>

REPAIRS AND GENERAL EXPENSES.

W. G. Berry, insurance premium.....	\$5.00	
Charles A. Bailey, curbing.....	105.30	
Mrs. Mary Dwyer, rent of barn.....	36.00	
Head & Dowst Co., lumber.....	42.05	
C. H. Hutchinson, labor on lawn mowers....	9.00	
H. W. Parker, lime.....	2.20	
Pike & Heald Co., dippers.....	13.75	
John A. Sheehan, insurance premium.....	6.00	
John B. Varick Co., hardware.....	64.55	
		<u>\$283.85</u>
Total expenditures		<u><u>\$4,500.00</u></u>

Stark Park.

Appropriation	\$1,000.00	
Received from sale of hay.....	3.00	
		<u>\$1,003.00</u>

EXPENDITURES.

LABOR.

March	\$50.11	
April	41.04	
May	122.74	
June	113.50	
July	135.00	
August	156.26	
September	88.75	
October	86.06	
November	53.71	
December	7.11	
		<u>\$854.28</u>

SUNDRIES.

C. M. Bailey, V. S., 1 visit.....	\$4.00
E. C. Bishop & Co., snow shovels.....	50.25
L. B. Bodwell & Co., ice.....	5.85
E. M. Bryant & Co., lamp and repairs.....	.56
Committee on city farm, rent.....	30.00
W. P. Goodman, stationery.....	5.60
Head & Dowst Co., spruce and labor.....	11.58
Gilbert Lyons, weighing oats.....	3.00

Manchester Traction, Light & Power Co. lights, Merrimack common.....	\$3.00	
Manchester Hardware Co., tools.....	6.80	
Parnell Bros., barrels.....	3.00	
People's Gas Light Co., gas, battery building	.88	
Pike & Heald Co., pipe, iron, labor.....	4.15	
G. W. O. Tebbetts, supplies.....	1.40	
John B. Varick Co., oil, grease, screws.....	6.65	
Water commissioners, use of water.....	12.00	
		<u>\$148.72</u>
Total expenditures		<u><u>\$1,003.00</u></u>

Derryfield Park.

Appropriation	\$1,000.00	
Received for labor and sale of lumber.....	40.20	
		<u>\$1,040.20</u>

EXPENDITURES.

LABOR.

January	\$43.99	
February	34.12	
March	11.24	
April	169.43	
May	94.08	
June	81.61	
July	257.95	
August	120.43	
		<u>\$812.85</u>

SUNDRIES.

Boston & Maine Railroad, freight.....	\$2.17	
Charles R. Fish & Co., shrubs.....	200.00	
John B. Varick Co., paint and glass.....	1.18	
Water commissioners, use of water.....	24.00	
		<u>\$227.35</u>
Total expenditures		<u><u>\$1,040.20</u></u>

Lafayette Park.

Appropriation	\$2,000.00
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EXPENDITURES.**LABOR.**

March	\$113.00	
April	32.62	
May	5.25	
July	315.72	
October	3.50	
November	712.64	
December	429.61	
		\$1,612.34

SUNDRIES.

L. B. Bodwell & Co., coal.....	\$2.88	
Manchester Supply Co., land tile.....	16.28	
J. H. Mendell Co., lumber.....	295.70	
Pike & Heald Co., pipe, iron, labor.....	25.41	
John B. Varick Co., iron.....	47.39	
		\$387.66

Total expenditures	\$2,000.00
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Miscellaneous Playgrounds.

Appropriation	\$200.00
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EXPENDITURES.**LABOR.**

August	\$26.42	
December	112.90	
		\$139.32

SUNDRIES.

Amoskeag Manufacturing Co., rent of land..	\$1.00
People's Gas Light Co., gas.....	11.55
Elmer E. Reed, mason work, Prout park....	25.69

John A. Sheehan, insurance premium.....	\$15.75	
John B. Varick Co., nails.....	.69	
Water commissioners, use of water.....	6.00	
		<u>\$60.68</u>
Total expenditures		<u><u>\$200.00</u></u>

Brown Tail and Gypsy Moth.

Appropriation	<u><u>\$5,000.00</u></u>
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EXPENDITURES.

J. J. Abbott, oil, varnish.....	\$0.60	
Albert T. Barr, distributing circulars.....	8.75	
John B. Clarke Co., printing circulars.....	28.00	
T. F. Haggerty, distributing circulars.....	8.75	
Eugene Jobin, distributing circulars.....	16.25	
Manchester Hardware Co., tacks and hammer	.20	
Munson-Whitaker Co., labor of men.....	4,662.03	
Lawrence O' Connor, inspection of work.....	33.43	
Pay-roll, November, Division No. 8.....	2.00	
Pay-roll, November, Division No. 9.....	2.87	
Pay-roll, December, Division No. 2.....	.52	
Pay-roll, December, commons.....	29.95	
Clarence Reagan, distributing circulars.....	3.75	
Robie Consolidated Concrete Co., sand.....	154.75	
Frank H. Taylor, distributing circulars.....	3.75	
John B. Varick Co., pruners, etc.....	44.40	
		<u>\$5,000.00</u>
Total expenditures		<u><u>\$5,000.00</u></u>

Lighting Streets.

Appropriation	<u><u>\$58,000.00</u></u>
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EXPENDITURES.

Manchester Traction, Light & Power Co.:

	Charges.	Discounts.
January	\$4,236.06	
February	4,237.50	\$6.98
March	4,237.50	2.94

April	\$4,237.50	
May	4,237.50	\$1.84
June	4,237.50	2.62
July	4,237.50	
August	4,237.50	
September	4,237.50	
October	4,237.50	
November	4,237.50	12.25
December	4,316.10	
	<hr/>	
	\$50,927.16	\$26.63
	26.63	
	<hr/>	
		\$50,900.53
Lighting Amoskeag bridge, December.....		\$25.33
	GAS,	
Welsbach Street Lighting Co.....		\$6,182.54
	SUNDRIES.	
Manchester Automobile Garage, use of auto-		
mobile	\$5.00	
Sullivan & Co., use of automobile.....	10.00	
	<hr/>	
		\$15.00
		<hr/>
Total expenditures		\$57,123.40
Transferred to unappropriated money.....		876.60
		<hr/>
		\$58,000.00
		<hr/>

Engineer's Department.

Appropriation	\$9,000.00
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EXPENDITURES.

LABOR.

Samuel J. Lord, engineer, services and team	
hire	\$375.00
Samuel J. Lord, chief engineer, services.....	\$25.03
Harry J. Briggs.....	\$67.51
William Bascomb	11.25
Alfred T. Dodge.....	777.96
Joseph A. Dusseault.....	98.92
Martin Ferry	7.50

HEALTH DEPARTMENT.

77

Harold M. Haskell.....	\$350.11	
Reuben Hayes	242.85	
J. J. McAllister, Jr.....	661.85	
Lawrence O'Connor	389.10	
George R. Prince.....	12.00	
George W. Walès.....	1,130.56	
Henry Worthen	665.27	
Harrie M. Young	774.60	
		\$7,189.51

SUPPLIES, OFFICE EXPENSES.

J. J. Abbott, paint.....	\$1.55
L. B. Bodwell & Co., ice.....	7.02
Boston & Maine Railroad, freight.....	.70
Burroughs Adding Machine Co., 1 machine..	475.00
John B. Clarke Co., printing reports.....	47.40
Concord Foundry & Machine Co., castings..	137.58
Myron C. Clark Publishing Co., subscription to "Engineering-Contracting"	1.00
Frank A. Gay, surveying.....	10.00
Harry L. Gould, bench mark report.....	12.00
Charles M. Floyd, clothing (cement work)..	1.75
W. P. Goodman, stationery.....	8.87
Head & Dowst Co., grade stakes.....	221.58
C. A. Hoitt Co., repairing chair.....	.75
Ideal Stamp Co., stamps.....	2.40
J. G. Jones, cartage.....	.50
Ladder & Probst, repairing targets.....	3.03
Manchester Hardware Co., numbers, hard- ware	90.42
B. L. Makepeace, drawing paper.....	13.00
John J. McAllister, Jr., paid for carfare, ex- press, etc.	16.69
J. H. Mendell Co., use of lathe.....	4.88
C. F. McCarthy, painting street signs.....	41.70
New England Telephone & Telegraph Co., use of telephone.....	31.86
Office, Bank & Library Co., 1 file cabinet....	35.54
Office, Bank & Library Co., folders, guides, etc.	4.70
Pike & Heald Co., pipe, gasoline, etc.....	2.62
Putnam & Taylor, insurance premium.....	3.75
E. G. Soltmann, supplies.....	125.58
Technical Supply Co., tape and paper.....	12.65
Temple & Farrington Co., books, paper, etc.	25.40

Remington Typewriter Co., 1 typewriter, less discount and allowance for old machine..	\$82.50	
Remington Typewriter Co., 1 No. 8 typewriter and tabulator.....	92.00	
Remington Typewriter Co., 1 drop cabinet..	39.00	
Street and park commission, setting bounds	37.42	
John B. Varick Co., hardware and supplies..	204.60	
J. Vogel & Co., varnishing wagon.....	15.00	
		<u>\$1,810.49</u>
Total expenditures		<u><u>\$9,000.00</u></u>

Health Department.

Appropriation	\$10,000.00	
Transferred from unappropriated money....	743.31	
		<u>\$10,743.31</u>

EXPENDITURES.

SERVICES.

Joseph E. A. Lanouette, M. D., salary as member of board.....	\$200.00	
W. K. Robbins, salary as member of board..	200.00	
William J. Starr, salary as member of board	200.00	
William B. Blake, sanitary inspector.....	867.50	
John F. Looney, sanitary inspector.....	887.50	
Carl O. Seaman, plumbing and milk inspector	948.00	
M. Alma Fracker, clerk.....	546.00	
		<u>\$3,849.00</u>

PRINTING AND STATIONERY.

John B. Clarke Co., printing bulletins, envelopes, blanks, etc.....	\$138.75	
John B. Clarke Co., 300 reports.....	13.65	
W. P. Goodman, 1 journal.....	.99	
Temple & Farrington Co., pamphlet laws, public statutes	8.50	
E. A. Stratton Co., stationery.....	2.64	
		<u>\$164.53</u>

TEAMS, CARFARES.

W. B. Blake.....	\$46.60
Bailey & Co.....	44.00

J. B. Brown & Co.....	\$46.00
Fifield & Brown.....	45.50
W. J. Freeman.....	98.00
J. D. French.....	5.00
John F. Looney.....	28.10
Carl O. Seaman.....	19.80

\$333.00

OFFICE EXPENSES AND SUPPLIES.

American Express Co., express charges....	\$7.66
L. B. Bodwell & Co., ice.....	18.15
W. B. Blake, expenses to Boston, milk sam- ples, etc.	7.23
J. A. and W. Bird Co., formaldehyde.....	120.00
Carter, Rice & Co., gummed paper.....	31.50
Herbert E. Dunnington, antitoxin, vaccine..	236.47
M. A. Fracker, cash paid laundry, paper....	12.60
M. A. Fracker, postage, freight, teams, etc..	33.07
L. M. Folsom, crash.....	1.50
Granite State Rubber Co., gloves and tubing	2.81
R. K. Horne, cups.....	.90
Lea Brothers & Co., 1 book.....	4.25
Manchester Coal & Ice Co., coal.....	32.37
H. K. Mulford Co., antitoxin, vaccine.....	85.52
New England Telephone & Telegraph Co., use of telephones.....	56.88
Novelty Company, key cap.....	.55
Parke, Davis & Co., culture media.....	1.95
Pike & Heald Co., pipe and rubber.....	.50
People's Gas Light Co., gas.....	10.22
James H. Rhodes & Co., atomizers.....	8.60
Standard Sanitary Mfg. Co., 1 copy "Prin- ciples and Practice of Plumbing".....	3.00
C. O. Seaman, expenses to Concord, gas stoves, etc.	1.20
A. G. Straw, M. D., diphtheria examinations	90.00
Taggart, Dickinson, Wyman & Starr, legal services	52.00
John B. Varick Co., supplies.....	35.95
Vermont Farm Machine Co., test bottles, pipettes, etc.	4.45
Walsh & Cummings, antitoxin.....	638.76

\$1,498.09

PEST HOUSE.

L. M. Folsom, gauze and crash.....	\$5.60
R. K. Horne, tinware, crockery.....	3.52
Manchester Coal & Ice Co., coal.....	14.70
New England Telephone & Telegraph Co., use of telephone.....	22.91
Mrs. A. D. Sherer, services.....	360.00
Mrs. A. D. Sherer, board, sundry persons...	71.00
Maurice Watson, M. D., vaccinations and visits	80.00
Water commissioners, use of water.....	7.52
John B. Varick Co., 1 wringer.....	2.23

 \$567.50

ISOLATION HOSPITAL.

Ethel M. Bailey, nurse.....	\$52.00
W. B. Blake, soap.....	.10
E. M. Bryant & Co., electric supplies and labor	8.03
Connor Bros., repairing plumbing.....	9.30
Herbert E. Dunnington, medicine.....	54.86
Carrie M. Joyce, nurse.....	51.00
C. A. & A. W. Flint, wood.....	11.00
M. A. Fracker, pitchers, etc.....	1.50
L. M. Folsom, blankets, cotton, sheets.....	69.84
Granite State Rubber Co., sheets, water bot- tles, etc.	15.47
Head & Dowst Co., lumber and labor.....	123.26
James W. Hill Co., batting, gowns.....	6.60
C. A. Hoitt Co., crockery, bedding, glassware	85.02
Kerwin & Sheehan, medicine and supplies..	18.35
Mary V. Lee, nurse.....	204.00
Frank D. Leighton, plumbing and steam fit- ting	23.91
John F. Looney, vaseline.....	.25
Manchester Traction, Light & Power Co., lights	125.10
Manchester Traction, Light & Power Co., electric stove, teakettle, chafing dish, etc.	18.23
Manchester Coal & Ice Co., coal.....	361.25
Katherine V. Martin, nurse.....	534.00
Lucy A. Miller, nurse.....	456.00
New England Telephone & Telegraph Co., use of telephone.....	72.90
Pike & Heald Co., plumbing, etc.....	130.62

Porter Screen Manufacturing Co., numbering tacks	\$1.00
Mrs. C. E. Rydin, services as matron.....	192.00
Mrs. C. E. Rydin, board of sundry persons..	1,004.55
Mrs. C. E. Rydin, soap, carfare, washing windows	6.50
A. D. Sherer, painting.....	31.25
Fred Schmidt, labor.....	8.00
Mary E. Stearns, nurse.....	24.00
James A. Scully, cot bed and mattresses....	8.00
Mary L. Varney, nurse.....	134.00
John B. Varick Co., wringer, soap, alcohol..	3.98
Water commissioners, use of water.....	19.00
Walsh & Cummings, medicine.....	5.37

\$3,870.24

SUPPLIES FOR ISOLATED FAMILIES.

George Boisvert, groceries.....	\$3.82
Charles Boisclair, wood and coal.....	3.00
W. B. Blake, wood, sundry persons.....	2.00
J. H. Canney, groceries.....	8.81
William Charland, wood.....	1.00
P. J. Charron, groceries.....	13.42
C. H. Clark, groceries.....	4.37
W. E. Dunbar & Sons, wood.....	1.50
Herbert E. Dunnington, medicine.....	2.69
W. M. Eames Drug Co., medicine.....	2.30
A. L. Gadbois, funeral expenses.....	10.00
Griffin & Duguay, groceries.....	14.03
John Healy, groceries.....	32.73
Lewis E. Hodgman, milk.....	1.68
Lamoureux Bros., groceries.....	63.84
E. H. Lewis, groceries.....	8.56
A. D. Lemay, groceries.....	10.80
John F. Looney, wood and medicine.....	.95
B. J. Mack, coal.....	2.50
J. A. Marshall, medicine.....	6.36
Sabin Noury, medicine.....	.50
Hertel Pariseau, groceries.....	6.70
A. F. Precourt, medicine.....	7.66
M. Peloquin, groceries.....	18.64
Eugene Quirin, groceries.....	12.83
J. P. Russell, fuel.....	13.70
Summer St. Market, groceries.....	7.43
Tennant & Haggerty, groceries.....	5.26
E. V. Turcotte, wood.....	.50

Union Coal Co., coal.....	\$9.71	
Euclide Voisard, groceries.....	22.97	
G. H. Wiggin & Co., milk.....	1.20	
F. L. Wallace, funeral expenses.....	16.50	
		<hr/>
		\$317.96

SUNDRIES.

W. B. Blake, burying animals, milk and cream samples	\$6.07	
G. M. Davis, M. D., autopsy.....	25.00	
H. N. Kingsford, M. D., work on tissue.....	25.00	
John F. Looney, burying animals, milk and cream samples	19.24	
C. O. Seaman, expenses to Nashua, milk and water (lake) samples.....	6.11	
Gillis Stark, M. D., autopsy.....	25.00	
E. V. Turcotte, use of ambulance.....	6.00	
G. W. O. Tebbetts, medicine and supplies..	30.57	
		<hr/>
		\$142.99
Total expenditures		<hr/>
		\$10,743.31

City Library.

Appropriation	<hr/>
	\$8,000.00

EXPENDITURES.

LIBRARIAN AND ASSISTANTS.

F. Mabel Winchell, librarian.....	\$1,000.00	
Harold L. Blair.....	52.50	
Harold C. Brown.....	127.25	
Charles Costigan	51.00	
Carl James	164.63	
Arthur R. Leavitt.....	125.45	
Charles S. Morgan.....	616.50	
Harold C. McAllister.....	48.20	
Charles W. Quimby.....	54.75	
		<hr/>
		\$2,240.28

SUNDAY OPENING.

Charles S. Morgan, labor.....	\$64.00	
Albro P. Reed, labor.....	64.00	
Peter Callaghan, police service.....	25.00	
		<hr/>
		\$153.00

CATALOGUE AND SUPPLIES.

A. L. A. Publishing Board, cards.....	\$0.92	
Edith O. Emery, labor.....	548.20	
Library Bureau, newspaper racks, etc.....	19.35	
Library Bureau, truck, files, binders, etc...	72.43	
Louise E. Newell, labor.....	519.40	
Temple & Farrington Co., paper, etc.....	5.75	
F. M. Winchell, paid for catalogue cards....	25.00	
J. A. Williams, printing postals, cards, envelopes	73.80	
		<hr/>
		\$1,264.85

BINDING, REBINDING, RESEWING.

F. J. Barnard & Co.....	\$36.83	
Barrett Bindery Co.....	3.11	
Temple & Farrington Co.....	733.85	
		<hr/>
		\$773.79

FUEL, INSURANCE, LIGHTS, WATER.

Clarence M. Edgerly, insurance premium....	\$125.00	
Manchester Traction, Light & Power Co., electric lights	479.70	
Moore & Preston Coal Co., coal.....	602.34	
People's Gas Light Co., gas.....	59.19	
The Travelers' Insurance Co., insurance premium	18.00	
Water commissioners, use of water.....	13.63	
		<hr/>
		\$1,297.86

NEW BOOKS.

W. B. Clarke Co.....	\$2.25	
W. P. Goodman.....	333.59	
McDavitt-Wilson Co.....	225.68	
T. P. W. Rogers.....	79.77	
Temple & Farrington Co.....	35.00	
Trustees of library.....	1,000.00	
		<hr/>
		\$1,676.29

SUNDRIES.

L. B. Bodwell & Co., ice.....	\$3.52	
John B. Clarke Co., "Daily Mirror".....	6.00	
John B. Clarke Co., printing 300 reports....	17.55	
Hale & Whittemore, repairing frame and varnishing oil portrait.....	1.55	

Head & Dowst Co., lumber, magazine racks, etc.	\$17.71	
Kate Hussey, cleaning.....	117.00	
C. A. Hoitt Co., shades and repairs.....	23.43	
Manchester Traction, Light & Power Co., fan motors, cord, current taps.....	42.85	
J. H. Mendell Co., magazine racks, door check, labor	46.91	
F. Schuyler Mathews, designs and drawings, photogravure, electrotype, etc.....	45.25	
New England Telephone & Telegraph Co., telephone service	24.65	
David T. Robinson, running boiler.....	9.50	
James W. Robinson, running boiler.....	126.00	
John B. Varick Co., 2 baskets.....	2.24	
F. M. Winchell, express, stationery, postage	109.35	
		<u>\$593.51</u>
Total expenditures		\$7,999.58
Transferred to unappropriated money.....		.42
		<u><u>\$8,000.00</u></u>

Fire Department.

Appropriation	\$77,250.00	
Transferred from unappropriated money....	1,632.50	
		<u>\$78,882.50</u>

EXPENDITURES.

SERVICES.

Thomas W. Lane, chief engineer.....	\$1,500.00	
Thomas F. Fitzsimmons, assistant engineer	250.00	
Clarence R. Merrill, assistant engineer.....	250.00	
Clarence R. Merrill, clerk.....	75.00	
Arthur S. Provost, assistant engineer.....	250.00	
John F. Seaward, assistant engineer.....	250.00	
		<u>\$2,575.00</u>

TEAMSTERS' AND ENGINEERS' PAY-ROLL.

January	\$3,028.00
February	3,007.00
March	3,007.00
April	3,028.00

FIRE DEPARTMENT.

85

May	\$3,007.00	
June	3,007.00	
July	2,969.00	
August	3,020.50	
September	3,026.75	
October	3,063.50	
November	3,018.75	
December	3,017.00	
		<hr/>
		\$36,199.50

CALL MEMBERS.

Engine Company No. 1.....	\$1,688.00	
Engine Company No. 2.....	1,533.00	
Engine & Ladder Company No. 3.....	2,293.00	
Engine Company No. 4.....	1,698.00	
Engine & Ladder Company No. 5.....	2,292.79	
Engine & Ladder Company No. 6.....	2,293.00	
Chemical Engine Company No. 1.....	470.67	
Combination Company No. 2.....	928.00	
Hook & Ladder Company No. 1.....	1,828.00	
Hose Company No. 1.....	1,693.00	
Hose Company No. 2.....	1,528.00	
Hose Company No. 3.....	928.00	
		<hr/>
		\$19,173.46.

OTHER LABOR.

John N. Brown.....	\$110.88	
L. H. D. Ford.....	291.38	
Eugene S. George.....	24.50	
Waldo McCauley.....	305.38	
James H. McKenzie.....	76.13	
Frank Nute.....	326.38	
Albert W. Tucker.....	14.00	
		<hr/>
		\$1,148.65.

LAUNDRY.

J. E. Cheney.....	\$26.00	
Eureka Laundry	17.15	
L. A. Lamsón.....	10.55	
N. H. Towel Supply Co.....	39.00	
Oneeda Laundry	66.63	
Margaret Power.....	52.00	
Albert W. Smith.....	15.60	
		<hr/>
		\$226.93

FURNITURE, ETC.

Charles A. Hoitt Co., furniture, bedding, etc.	\$96.08	
James A. Scully, linoleum.....	92.31	
		<hr/>
		\$188.39

PRINTING AND STATIONERY.

John B. Clarke Co., printing notices, envelopes, circulars, etc.....	\$63.25	
John B. Clarke Co., printing reports.....	43.20	
Engine and hose companies, allowance for printing	120.00	
W. P. Goodman, paper.....	4.50	
Temple & Farrington Co., books and stationery	16.71	
		<hr/>
		\$247.66

FUEL, LIGHTS, WATER.

L. B. Bodwell & Co., wood and coal.....	\$788.61	
C. A. & A. W. Flint, wood.....	28.50	
Manchester Coal & Ice Co., coal.....	256.76	
Manchester Traction, Light & Power Co., lights	149.55	
Maxwell Ice Co., wood.....	11.00	
Merrill & Laraba, shavings.....	1.00	
Moore & Preston Coal Co., coal.....	1,341.59	
People's Gas Light Co., gas.....	684.15	
Water commissioners, use of water.....	365.14	
		<hr/>
		\$3,626.30

SUPPLIES.

Boston Belting Co., hose.....	\$24.22	
Cornelius Callahan Co., repairing hose.....	1,182.95	
Cornelius Callahan Co., nozzles, soda, jars, pipe	235.40	
George B. Cressey, varnish.....	1.50	
Eastern Coupling Co., 1 nozzle.....	35.00	
Electric Goods Manufacturing Co., supplies..	69.42	
Farrel Bros., shades, holders, wire.....	3.60	
Globe Manufacturing Co., 26 coats.....	97.50	
Granite State Rubber Co., 1 apron.....	.60	
S. F. Hayward & Co., hub bands.....	1.62	
Hilton Coupling Co., connections.....	21.00	
International Power Co., brake shoes, re-nickeling dome, hose connections.....	31.93	
Manchester Hardware Co., paint.....	4.72	

Marten-Diggs Fire Extinguisher Co., 3 gallons chemical	\$22.00	
T. A. MacDonald, brooms.....	7.50	
W. W. Morrison, metal polish.....	6.00	
New Departure Mfg. Co., 1 gong.....	6.08	
C. N. Perkins, snaps, tips.....	47.75	
Pike & Heald Co., chimneys, mantles, coal hod	6.35	
Smith Box & Lumber Co., sawdust.....	3.50	
C. D. Steele & Co., oil.....	2.55	
Talbot Dyewood & Chemical Co., soda, vit- riol	30.33	
John B. Varick Co., hardware.....	368.08	
John B. Varick Co., testing pump.....	40.00	
John B. Varick Co., hose.....	1,680.00	
A. A. Warren, oil.....	64.82	
A. M. Winchester, disinfectant.....	10.00	
Young Bros., ladder.....	2.00	
		\$4,006.42

REPAIRS, ETC.

American Locomotive Co., plating pliers....	\$3.00	
Boston Belting Co., repairing hose.....	1.35	
Farrell Bros., material and labor.....	4.40	
A. K. Forsaith, repairing clocks, etc.....	2.30	
Head & Dowst Co., lumber and labor.....	7.51	
J. Hodge, lumber and labor.....	6.38	
A. J. M. Lein, repairing dome casing.....	3.50	
New Departure Mfg. Co., repairing fire bell	1.25	
Pike & Heald Co., making card holders.....	1.10	
		\$30.79

HORSES, VETERINARY SERVICES, AND MEDICINES.

J. Blakely, V. S., attendance.....	\$75.00	
E. E. Castor, liniment.....	2.00	
Cavanaugh Bros., horses.....	945.00	
F. J. Clark, V. S., attendance.....	5.50	
F. J. Clark, V. S., disinfectant.....	15.00	
A. L. Dodge, V. S., attendance.....	21.73	
A. L. Dodge estate, attendance.....	16.25	
Mrs. A. L. Dodge, disinfectant.....	10.00	
H. B. Dunton, V. S., attendance.....	45.00	
Dyer & Chipman, medicine.....	7.94	
J. D. French, exchange on horses.....	100.00	
J. J. Holland, disinfectant.....	5.00	
A. D. Smith, liniment, ginger.....	6.00	
Walsh & Cummings, medicine.....	.59	
		\$1,255.03

CARRIAGE AND ENGINE REPAIRS.

S. P. Dodge Co.....	\$17.45	
International Power Co.....	176.90	
Frank D. Leighton.....	1.50	
J. B. McCrillis & Son.....	338.83	
Joseph Murphy	40.00	
Sanborn Carriage Co.....	11.65	
		<hr/>
		\$586.33

BLACKSMITHING.

James A. Carr.....	\$103.00	
Connor and Grossman.....	73.30	
H. J. Dexter.....	103.00	
W. J. Freeman & Co.....	38.75	
MacDonald Bros.	268.00	
J. F. McDonald & Co.....	151.50	
John McSweeney	27.00	
Edward J. McShane.....	10.25	
G. F. Wenzel.....	182.98	
J. O. and L. P. Tremblay.....	258.25	
John Stack	40.00	
		<hr/>
		\$1,256.03

HAY, GRAIN, ETC.

Adams Bros.	\$1,393.69	
Arthur S. Brown.....	1,371.75	
Cote Bros.	23.95	
Gage & McDougall.....	593.63	
F. H. Masse & Co.....	1,139.35	
Merrill & Laraba.....	1,629.29	
Partridge Bros. & Co.....	1,749.00	
		<hr/>
		\$7,900.66

HARNESS REPAIRS AND SUPPLIES.

Charles E. Berry.....	\$12.75	
Oliver Comire	2.00	
Stanis Lemay	5.40	
P. I. Langton.....	40.15	
N. F. Paquette.....	14.75	
Ranno Saddlery Co.....	77.80	
G. Silberg	3.00	
J. Vogel & Co.....	20.00	
N. J. Whalen.....	66.40	
Ivory S. York.....	6.50	
		<hr/>
		\$248.75

SUNDRIES.

L. B. Bodwell & Co., ice.....	\$6.30
C. B. Clarkson, weighing coal.....	16.00
Cavanaugh Bros., use of horse.....	87.00
William E. Clark, lunch served firemen....	3.15
A. M. Finney, cleaning and laying carpet....	4.74
E. H. Holmes, cartage.....	8.78
C. A. Hoitt Co., use of chairs.....	3.50
T. W. Lane, expenses to International Association Fire Engineers, Washington, D. C.	55.75
T. W. Lane, express charges paid.....	14.30
J. J. McAllister, weighing coal.....	6.90
F. M. Ray, burying horse.....	2.00
Edward C. Smith, expenses, committee and Chief Lane to Lawrence, Mass.....	4.18
	<hr/>
	\$212.60
Total expenditures	<hr/>
	\$78,882.50
	<hr/>

Hose Wagon, Central Station.

Appropriation	\$1,200.00
	<hr/>
	<hr/>
EXPENDITURES.	
J. B. McCrillis & Son, wagon and lettering.....	\$757.50
	<hr/>
Total expenditures	\$757.50
Transferred to unappropriated money.....	442.50
	<hr/>
	\$1,200.00
	<hr/>
	<hr/>

Fire-Alarm Telegraph.

Appropriation	\$2,600.00
	<hr/>
	<hr/>
EXPENDITURES.	
LABOR.	

January	\$60.75
February	54.00
March	58.50
April	58.50

May	\$60.75	
June	56.25	
July	60.75	
August	60.75	
September	56.25	
October	60.75	
November	58.50	
December	58.50	
	<hr/>	\$704.25
Albert Cook	\$36.25	
John Shea	88.75	
	<hr/>	\$125.00

SUPPLIES AND REPAIRS.

American Electrical Works, wire.....	\$86.53	
Electric Goods Mfg. Co., supplies.....	93.84	
Farrell Bros., supplies.....	10.66	
Gamewell Fire-Alarm Telegraph Co., fire- alarm boxes, repairs.....	706.47	
J. Hodge, lumber and labor.....	7.29	
Manchester Supply Co., plating pliers.....	1.80	
J. B. McCrillis & Son, carriage repairs.....	73.47	
Palmer & Garmon, cutting stone.....	1.00	
Pike & Heald Co., cans, gasoline.....	2.50	
Powell & Clarkson, filing saw.....	.40	
W. H. Seaward, lumber and labor.....	24.23	
Stevens & Bradley, pipe and labor.....	23.91	
John B. Varick Co., hardware, etc.....	58.45	
	<hr/>	\$1,090.55

SUNDRIES.

John B. Clarke Co., printing blanks.....	\$5.50	
E. H. Holmes, freight and cartage.....	4.29	
New England Telephone & Telegraph Co., use of telephone.....	.72	
	<hr/>	\$10.51

Total expenditures	\$1,930.31
Transferred to unappropriated money.....	669.69
	<hr/>
	<hr/>
	\$2,600.00

Hydrant Service.

Appropriation	\$20,625.00
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EXPENDITURES.

Water commissioners, hydrant rentals.....	\$20,625.00
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Police Department.—Commission.

Balance from last year unexpended.....	\$600.00	
Appropriation	55,970.00	
		<u>\$56,570.00</u>

EXPENDITURES.

SERVICES.

Michael J. Healy, chief of police.....	\$2,000.00	
John F. Cassidy, deputy chief.....	1,500.00	
Edward B. Woodbury, chairman of commis- sion, salary	150.00	
Noah S. Clark, commissioner, salary.....	100.00	
Frank P. Cheney, commissioner, salary.....	100.00	
A. B. Brown, police matron.....	425.00	
Regular and special patrol.....	44,232.28	
		<u>\$48,507.28</u>

FEEDING PRISONERS.

S. J. Laflamme.....	\$220.00	
National Biscuit Co.....	54.82	
Eugene Sigrist	3.50	
		<u>\$278.32</u>

PRINTING AND STATIONERY.

John B. Clarke Co., printing.....	\$34.75	
W. P. Goodman, stationery and books.....	80.58	
L. T. Mead, stationery and books.....	9.77	
E. A. Stratton Co., books.....	4.50	
		<u>\$129.60</u>

PATROL SYSTEM EXPENSES.

J. J. Abbott, gasoline.....	\$0.35	
Ame & Co., "Standard Food".....	6.50	
Amoskeag Manufacturing Co., castings.....	1.80	
Daniel J. Ahern, carrots.....	12.15	
Automatic Time Stamp Co., ribbons, repair- ing time stamp.....	20.50	
Alfred Beauchene, trucking pole.....	3.00	
Boyd Brothers, clipping horse.....	6.50	
Arthur S. Brown, straw.....	12.86	
Brodie Electric Co., fillers, insulators.....	12.00	
Estate George L. Brownell, 1 ambulance....	600.00	
Estate George L. Brownell, 1 set runners...	45.00	

Bartholomew Bresnehan, labor on wires....	\$4.38
J. H. Bonnell & Co., ink and rolls.....	2.45
Boston & Maine Railroad, freight.....	22.38
E. M. Bryant & Co., lamps, wire, batteries..	20.03
Cornelius Callahan Co., pulley wheels, harness trips	9.00
Couch & Seeley Co., transmitters, condensers, fuses, coils.....	170.55
H. B. Dunton, V. S., attendance.....	13.50
W. M. Eames Drug Co., medicine.....	7.50
W. J. Freeman, horse hire.....	19.00
Gage & McDougall, straw, oats.....	21.55
Granite State Rubber Co., rubber gloves....	2.25
Charles Healy, labor on wires.....	106.00
William Highton & Sons, castings.....	25.84
J. Hodge, rods .....	.90
C. A. Hoitt Co., 1 chair.....	7.50
W. S. Holt & Son, waste.....	9.43
J. J. Holland, supplies.....	11.80
Charles Kean, labor on wires.....	166.25
Kimball Carriage Co., patrol wagon harness	85.00
Merrill & Laraba, grain and hay.....	421.59
Mitchell Manufacturing Co., badges.....	3.00
Pettengell-Andrews Co., supplies.....	311.47
Charles E. Perry & Co., register paper.....	60.00
Pike & Heald Co., clamps, tin, speaking tube	3.83
Sanborn Carriage Co., repairs.....	52.55
J. O. and L. P. Tremblay, horseshoeing....	62.00
United Electric & Apparatus Co., labor and material	566.33
United Electric & Apparatus Co., changing signal box movements.....	837.00
N. J. Whalen, harness supplies, etc.....	21.25

\$3,764.99

HARDWARE AND REPAIRS.

W. L. Allen & Co., caning chairs.....	\$4.25
Peter Harris, repairing hand cuffs.....	2.40
Head & Dowst Co., repairs.....	8.47
Manchester Hardware Co., hardware.....	81.41
Manchester Machine Works, labor on castings, etc.	17.02
John B. Varick Co., hardware.....	17.77

\$131.32

POLICE DEPARTMENT.—STATION.

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TELEPHONE AND TELEGRAPH.

New England Telephone & Telegraph Co., use of telephones.....	\$153.75	
Western Union Telegraph Co., telegrams and clock rental	11.65	
		<u>\$165.40</u>

SUNDRIES.

Daniels-Cornell Co., soap, matches.....	\$16.90	
G. H. Emery, photographing criminals.....	22.00	
F. L. Wallace, use of ambulance.....	3.00	
		<u>\$41.90</u>

Total expenditures	\$53,018.81	
Transferred to unappropriated money.....	3,551.19	
		<u><u>\$56,570.00</u></u>

Police Department.—Station.

Appropriation	<u><u>\$3,000.00</u></u>
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EXPENDITURES.

SERVICES.

Frank P. Wiggin, janitor.....	\$821.25
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FUEL, LIGHTS, WATER.

Manchester Coal & Ice Co., coal.....	\$312.55	
Manchester Traction, Light & Power Co., lights	600.00	
Maxwell Ice Co., wood.....	36.50	
Moore & Preston Coal Co., coal.....	750.54	
People's Gas Light Co., gas.....	78.21	
Water commissioners, use of water.....	151.90	
		<u>\$1,929.70</u>

LAUNDRY, ETC.

Columbia Refining Co., soap.....	\$19.25	
James W. Hill Co., crash, pillow slips, etc...	16.70	
J. S. Holt & Co., soap.....	2.00	
Mrs. J. F. Wiggin, laundry work.....	51.69	
		<u>\$89.64</u>

REPAIRS.

J. J. Abbott, glass.....	\$3.00	
E. M. Bryant & Co., electric supplies and repairs	23.20	
Thomas J. Briggs, stove, pipe, repairs.....	14.55	
Connor Brothers, plumbing repairs.....	18.85	
Head & Dowst Co., lumber and labor.....	9.63	
C. A. Hoitt Co., 1 table.....	2.00	
George Knoettner, grate, ashpan, labor.....	4.25	
Pike & Heald Co., pipe and lead.....	6.40	
Harry A. Piper, 3 windows, screws, labor..	13.80	
B. F. Shepard, repairing lock.....	.50	
		<hr/>
		\$96.18

SUNDRIES.

L. B. Bodwell & Co., ice.....	\$11.90	
C. B. Clarkson, weighing coal.....	5.00	
E. L. Gresley & Co., 1 desk.....	25.00	
J. J. McAllister, weighing coal.....	4.50	
Western Union Telegraph Co., clock rental	3.00	
		<hr/>
		\$49.40
Total expenditures		<hr/>
		\$2,986.17
Transferred to unappropriated money.....		13.83
		<hr/>
		\$3,000.00
		<hr/>

Police Department.—Court.

Appropriation	\$2,900.00	
Transferred from unappropriated money....	54.81	
		<hr/>
		\$2,954.81
		<hr/>

EXPENDITURES.

SERVICES.

Isaac L. Heath, police justice.....	\$1,500.00	
H. E. Loveren, associate justice.....	300.00	
John C. Bickford, clerk.....	600.00	
		<hr/>
		\$2,400.00

SUNDRIES.

M. J. Healy, paid witness fees.....	\$402.46	
T. D. Luce, certificate.....	.50	
New England Telephone & Telegraph Co., use of telephones.....	49.50	
E. A. Stratton Co., printing.....	74.60	
Temple & Farrington Co., dockets, pam- phlet law	2.75	
J. Arthur Williams, printing blanks, etc.....	25.00	
		<hr/>
		\$554.81
Total expenditures		<hr/>
		\$2,954.81
		<hr/>

Repairs of Buildings.

Balance from last year unexpended.....	\$253.20	
Appropriation	10,500.00	
		<hr/>
		\$10,753.20
		<hr/>

EXPENDITURES.

CITY LIBRARY.

Charles A. Bailey, stone.....	\$166.34	
E. Bilodeau, mason work.....	13.10	
Connor Brothers, repairing.....	12.40	
Isidor Gagne, boards, hardware, labor.....	19.55	
Pike & Heald Co., repairing gas leak.....	.50	
Robie Consolidated Concrete Co., sidewalks	41.83	
M. F. Savage, paint and labor.....	42.02	
C. L. Wolf, plumbing repairs, etc.....	12.70	
		<hr/>
		\$308.44

POLICE STATION.

Amoskeag Manufacturing Co., inspecting boiler	\$2.00	
Connor Bros., plumbing and heating repairs	154.86	
Farrell Bros., material and labor.....	91.38	
Isidor Gagne, supplies and labor.....	343.96	
L. W. Howard, paint and labor.....	707.85	
Harry A. Piper, steel ceilings, sheathing, etc., labor	144.03	
Elmer E. Reed, mason work.....	21.57	

Robie Consolidated Concrete Co., repairs....	\$0.45
Stevens & Bradley, grate bars, brick, labor..	42.21
C. M. Wheeler, 4 hitching posts.....	12.00

\$1,520.31

ENGINE HOUSES.

Joseph Bernard, labor and material.....	\$195.43
E. Bilodeau, mason work.....	109.29
John Bryson, paper, paint, labor.....	126.24
Thomas J. Briggs, plumbing material and labor	10.28
H. Caron & Co., plumbing repairs.....	10.30
Connor Brothers, plumbing repairs.....	123.17
Concord Foundry & Machine Co., sinks....	97.07
Farrell Brothers, electric labor and material	108.64
James P. Finn, paper hanging, painting....	424.86
Fischer & Bisson, metal work, repairs.....	195.90
Isidor Gagne, glass, labor, etc.....	486.17
Isidor Gagne & Co., material and labor.....	974.23
W. E. Goodwin, repairing roof.....	7.07
Head & Dowst Co., lumber and labor.....	12.75
J. Hodge, lumber, etc.....	215.17
C. A. Hoitt Co., shades and hanging.....	27.21
George Holbrook, material and labor on screens	18.00
L. W. Howard, paint, paper, labor.....	791.17
Richard Lacroix, labor.....	8.96
O. Lavoie, labor.....	8.96
H. J. Lawson, labor and material.....	51.25
Manseau & Grimard, repairs, iron, labor....	16.58
J. F. Marchand, plumbing material and labor	55.29
Merrill & Laird, mason work.....	53.19
M. C. Morey, janitor, ward ten engine house	210.00
Joseph J. Moreau, 6 ventilators.....	71.00
J. J. Moreau & Son, material and labor.....	84.03
Kennedy MacHoull, labor, bathhouse.....	9.89
Manchester Traction, Light & Power Co., lights, ward ten engine house.....	4.20
Wilfred Provost, sketch for alterations Webster-street house	4.75
George L. Read, labor.....	11.10
Elmer E. Reed, mason work.....	2.10
Robie Consolidated Concrete Co., concrete..	304.57
M. F. Savage, glass, paint, labor.....	149.17
Harris M. Shaw, steel ceilings.....	315.00
F. S. Sloan, paint and labor.....	40.72

REPAIRS OF BUILDINGS.

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W. H. Sullivan, paint and labor.....	\$136.59	
Gideon Tardiff, lumber and labor.....	231.70	
John B. Varick Co., hardware.....	2.76	
C. L. Wolf, plumbing, gas fitting.....	175.98	
	<hr/>	\$5,880.76

CITY HALL.

E. Bilodeau, mason work.....	\$128.10	
John Bryson, paint and labor.....	44.94	
Connor Brothers, plumbing repairs, repair- ing boiler and new tubes.....	102.61	
Derryfield Company, 12 desks, aldermanic chamber	250.00	
A. L. Franks & Co., labor on fan motor.....	1.55	
Fischer & Bisson, repairing roof, etc.....	14.68	
Isidor Gagne, material and labor.....	304.22	
W. E. Goodwin, plumbing repairs.....	32.53	
L. W. Howard, paint, glass, labor.....	25.38	
Richard Lacroix, labor.....	2.52	
H. J. Lawson, brass chain and labor.....	1.52	
Manchester Hardware Co., hinges.....	.20	
George L. Read, labor.....	2.90	
Elmer E. Reed, mason work.....	102.28	
H. J. Rock, painting signs on doors.....	12.00	
Stevens & Bradley, material and labor on boiler	298.16	
John B. Varick Co., hardware.....	1.56	
C. L. Wolf, labor on plumbing and steam valve	12.45	
	<hr/>	\$1,337.60

COURT HOUSE.

Amoskeag Manufacturing Co., repairing boil- er, etc.	\$118.39	
Connor Brothers, labor on boiler.....	14.50	
W. E. Goodwin, repairing closets.....	2.71	
Pike & Heald Co., 1 shaker for boiler.....	1.00	
	<hr/>	\$136.60

WARD FIVE WARDROOM.

Connor Brothers, repairing plumbing.....	\$5.09
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WARD EIGHT WARDROOM.

Joseph Bernard, repairs per agreement.....	\$940.00
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SUNDRIES.

Boston & Maine Railroad, freight.....	\$1.18	
C. Dean & Co., care of city clocks.....	66.66	
E. E. Emerson, painting flagpoles, etc.....	55.75	
W. E. Goodwin, repairing steam pipes.....	1.65	
W. D. Hebert & Co., care of city clocks.....	100.00	
L. W. Howard, glass (city scales).....	.35	
H. H. Lamoureux, use of hack.....	5.00	
Samuel Landry, blacksmithing.....	8.55	
MacDonald Brothers, blacksmithing.....	7.55	
George L. Read, truckage.....	1.00	
James Ried, moving bathhouse.....	125.00	
Edward C. Smith, expenses committee and clerk to Lawrence, Mass.....	4.17	
John B. Varick Co., hardware.....	1.00	
Water commissioners, use of water while building ward ten engine house.....	22.20	
C. M. Wheeler, posts.....	17.50	
West Side Lumber Co., floors.....	97.83	
		<hr/>
		\$515.39
Total expenditures		<hr/>
Transferred to unappropriated money.....		109.01
		<hr/>
		\$10,753.20
		<hr/>

New Hose House and Ward Room.

Balance from last year unexpended.....	\$168.10
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EXPENDITURES.

J. H. Mendell Co., extra plumbing, timbers, labor	\$97.77
Total expenditures	<hr/>
	\$97.77
Transferred to unappropriated money.....	70.33
	<hr/>
	\$168.10
	<hr/>

Equipping and Maintenance, Ward 10 Engine House.

Appropriation	\$13,280.00
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EXPENDITURES.

Amoskeag Manufacturing Co., castings and labor	\$54.14	
Boston Badge Co., hat badges.....	15.00	
C. G. Braxmar Co., badges.....	12.00	
Cornelius Callahan Co., collars and hames...	110.00	
Cornelius Callahan Co., nozzles, pipes, wheels, hooks, etc.....	128.00	
Cavanaugh Bros., 5 horses.....	1,325.00	
Connor Brothers, plumbing, per agreement	205.00	
H. J. Dexter, specifications.....	20.00	
S. P. Dodge Co., 1 exercise wagon.....	282.50	
I. Gagne & Co. material and labor.....	547.02	
Gamewell Fire-Alarm Telegraph Co., 1 gong and indicator	250.00	
Globe Fire Apparatus Co., chemical extinguishers	128.00	
Globe Manufacturing Co., 15 coats.....	56.25	
Charles A. Hoitt Co., furniture and bedding	332.85	
International Power Co., 1 steam fire engine	4,750.00	
J. B. McCrillis & Son, hose wagon and lettering	757.50	
J. J. Moreau & Son, ventilator and metal work	99.48	
Ranno Saddlery Co., blankets.....	41.25	
N. J. Whalen, harnesses.....	272.50	
John B. Varick Co., hose.....	1,470.00	
		\$10,856.49
Total expenditures		\$10,856.49
Transferred to new account.....		500.00
Transferred to unappropriated money.....		1,923.51
		\$13,280.00

Public Bath House.

Appropriation	\$1,000.00
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EXPENDITURES.

Hermann Fischer, contract.....	\$850.00	
Hermann Fischer, extra labor and material	64.20	
Thomas Jennings, caretaker.....	60.00	
Kennedy MacHoull, labor.....	14.11	
L. and W. T. Seiberlich, lanterns, oil, nails..	11.69	
		\$1,000.00
Total expenditures		\$1,000.00

Water-Works.

Balance from last year unexpended.....	\$33,585.46	
Cash received from water rents.....	144,433.45	
		<u>\$178,018.91</u>

EXPENDITURES.

LABOR.

January	\$2,170.00	
February	1,711.22	
March	1,848.72	
April	2,247.08	
May	2,117.45	
June	2,009.12	
July	2,359.66	
August	1,988.84	
September	2,042.04	
October	2,522.37	
November	2,109.05	
December	1,906.73	
		<u>\$25,032.23</u>

GENERAL EXPENSES.

Charles K. Walker, superintendent, salary..	\$2,400.00	
Charles K. Walker, paid for lights.....	185.02	
Charles K. Walker, paid for stamps, express, incidentals	74.10	
City of Lowell, use of tapping machine, labor, carfares, dinners.....	11.50	
William Corey, 18 meetings of board.....	90.00	
Charles M. Floyd, 11 meetings of board.....	55.00	
Perry H. Dow, 14 meetings of board.....	70.00	
Edgar J. Knowlton, 19 meetings of board...	95.00	
Charles H. Manning, 27 meetings of board..	135.00	
Robert E. McKean, 15 meetings of board....	75.00	
Eugene E. Reed, 26 meetings of board.....	130.00	
New Manchester House, 14¾ days' board...	37.00	
John Snowdon, lunch served, high service station	60.00	
		<u>\$3,417.62</u>

PRINTING, ADVERTISING, STATIONERY.

John B. Clarke Co., printing cards, bills....	\$79.75
John B. Clarke Co., printing 650 reports....	36.00
John B. Clarke Co., advertising.....	5.75

WATER-WORKS.

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W. P. Goodman, books and stationery.....	\$7.70	
E. A. Stratton Co., envelopes.....	2.25	
E. A. Stratton Co., printing postals, notices	20.75	
Union Publishing Co., advertising.....	5.50	
	<hr/>	\$157.70

FUEL, TEAMS, TELEPHONE.

L. B. Bodwell & Co., coal.....	\$337.50	
Thomas Carron, carting wood.....	20.07	
W. E. Dunbar & Sons, coal.....	32.00	
Fifield & Brown, hack and teams.....	57.00	
W. Y. Hadlock & Co., use of automobile.....	30.00	
William A. Jepson, coal.....	511.49	
Patrick Keefe, cutting wood.....	33.44	
Manchester Automobile Garage, use of auto- mobile	15.00	
New England Telephone & Telegraph Co., use of telephone.....	36.50	
	<hr/>	\$1,073.00

LAND AND BUILDINGS.

Frank H. Prescott & Melvin Hall, 1-5 inter- est M. Preston land.....	\$113.74	
Harrison Preston, lease Lamprey hotel land	75.00	
	<hr/>	\$188.74

LEGAL SERVICES.

Burnham, Brown, Jones & Warren.....	\$308.25	
George A. Kimball, referee, Devonshire Mills arbitration	500.00	
Charles T. Main, referee, Devonshire Mills arbitration	500.00	
Arthur H. Wellman, referee, Devonshire Mills arbitration	500.00	
	<hr/>	\$1,808.25

DAMAGES.

Devonshire Mills, award for deed of right to control outflow of Lake Massabesic and in full for all past, present and future damages	\$57,000.00	
W. M. Plummer, damage to land and crops caused by leak in water main.....	50.00	
	<hr/>	\$57,050.00

BLACKSMITHING, FREIGHT, HARDWARE.

C. H. Allyson, sharpening tools, etc.....	\$291.94	
Boston & Maine Railroad, freight.....	1,333.48	
Manchester Hardware Co., tools and hardware	18.38	
John B. Varick Co., tools and hardware.....	362.08	
		<hr/>
		\$2,005.88

SUPPLIES.

J. J. Abbott, glass, gasoline.....	\$4.75
Adams Brothers, cement.....	47.15
Amoskeag Manufacturing Co., valve, copper, grease, waste, labor.....	169.93
American Locomotive Co., castings, etc.....	303.44
Harold L. Bond Co., pipe joints.....	12.00
E. M. Bryant & Co., electric supplies.....	260.30
Builders Iron Foundry, branches, bends.....	120.81
Coffin Valve Co., 5 hydrants.....	185.00
Edson Manufacturing Co., bolts and nuts...	5.94
Glauber Brass Manufacturing Co., supplies	737.67
Granite State Rubber Co., packing, bands...	4.15
Hays Manufacturing Co., curb boxes.....	241.68
Head & Dowst Co., lumber, posts, etc.....	564.40
J. Hodge, meter boxes.....	30.00
Fred A. Houdlette & Son, pipe.....	2,320.15
W. S. Holt & Son, waste.....	9.04
Holyoke Machine Co., machinery and setting	954.12
Ingersoll-Rand Co., supplies.....	75.25
Lead Lined Iron Pipe Co., pipe.....	2,234.54
Frank D. Leighton, valve, union.....	1.67
Ludlow Valve Manufacturing Co., gates....	133.00
Manchester Rendering Co., tallow.....	.70
McKelvie Brothers, lamps, pails.....	10.70
H. Mueller Manufacturing Co., 1 stock and die	15.00
National Meter Co., meters.....	604.50
Neptune Meter Co., meters.....	172.80
Norwood Engineering Co., hydrant heads and posts	363.08
F. F. Osgood, rubber matting, duck.....	11.88
Perry Oil Co., oil.....	95.05
Pike & Heald Co., pipe, etc.....	279.49
Richards & Co., lead.....	962.97
Rensselaer Manufacturing Co., valves.....	291.60
Smith Box & Lumber Co., boxes.....	52.50

A. P. Smith Mfg. Co., sleeve and valve.....	\$46.66
Stevens & Bradley, hose, valves, unions....	39.48
C. D. Steele & Co., soap.....	1.98
Snow Steam Pump Works, valves.....	16.00
Thomson Meter Co., meters.....	748.60
U. S. Construction & Supply Co., lead, wool	12.50
U. S. Cast Iron Pipe & Foundry Co., pipe....	582.89
Union Water Meter Co., meters, washers...	95.07
Valvoline Oil Co., oil.....	122.09
George E. Winslow, recording dials.....	6.20
J. H. Wiggin & Co., soap.....	4.65
Henry R. Worthington, meters.....	161.40
Young Brothers, ladders.....	22.95
	<hr/>
	\$13,135.73

REPAIRS.

American Locomotive Co., repairing tapping machine, valve, etc.....	\$5.50
American Steam Gauge & Valve Mfg. Co., repairs	1.65
Amoskeag Manufacturing Co., repairing pump	163.00
Farrell Brothers, repairing electric lines in office	6.90
Gilford-Pinel Co., repairing pipe cutter....	10.00
Head & Dowst Co., lumber.....	10.72
Hersey Manufacturing Co., repairing meters	8.24
National Meter Co., repairing meters.....	225.22
Neptune Meter Co., repairing meters.....	65.80
Thomson Meter Co., repairing meters.....	78.06
Union Water Meter Co., repairing meters....	177.03
W. C. Wilson, lumber, brick, roofing, etc....	1,292.92
Young Brothers, repairing ladder.....	8.25
	<hr/>
	\$2,053.29

SUNDRIES.

Town of Auburn, taxes.....	\$714.26
Connor Brothers, in full for labor and ma- terial, Mountain Grove hotel.....	121.69
G. M. Hunkins, tax on Bunton farm for 1906	7.36
Manchester Traction, Light & Power Co., thawing service	113.00
Sarah C. Pennock, rent of house.....	100.00
Sinking fund commissioners, payment of wa- ter bonds	5,000.00

Sinking fund commissioners, hydrant rentals	\$20,625.00	
		<u>\$26,681.31</u>
Total expenditures		\$132,603.80
Transferred to interest account.....		31,422.50
Transferred to new account.....		13,992.61
		<u>\$178,018.91</u>

Pine Grove Cemetery.

Appropriation	\$18,200.00	
Transferred from unappropriated money....	31.80	
		<u>\$18,231.80</u>

EXPENDITURES.

LABOR.

January	\$431.64	
February	364.38	
March	384.57	
April	698.40	
May	932.09	
June	939.95	
July	1,148.39	
August	854.60	
September	774.85	
October	916.22	
November	875.57	
December	568.87	
		<u>\$8,889.53</u>
J. H. Erskine, balance salary.....		\$25.00

PLANTS, LOAM, ETC.

M. N. Badger, loam.....	\$63.00
F. N. Bixby, plants.....	14.50
Henry A. Dreer, plants.....	7.06
J. D. French, loam.....	318.50
A. H. Hews & Co., flower pots.....	11.06
A. P. Horne & Co., plants.....	50.62
N. W. Paige, loam.....	288.75
J. Louis Poore, loam.....	120.00
Reade Manufacturing Co., "Herbicide".....	24.00

PINE GROVE CEMETERY.

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Jane Thompson, loam.....	\$9.00	
Caroline C. and Edith A. Webster, clay bank	1,200.00	
	<hr/>	\$2,106.49

FUEL, TELEPHONE, WATER.

New England Telephone & Telegraph Co., use of telephone.....	\$27.87	
Union Coal Co., coal.....	225.25	
Water commissioners, use of water.....	298.00	
	<hr/>	\$551.12

PRINTING AND STATIONERY.

John B. Clarke Co., printing blanks.....	\$6.50	
E. H. Clough, envelopes.....	10.60	
Temple & Farrington Co., stationery.....	7.74	
J. Arthur Williams, printing blanks.....	3.00	
	<hr/>	\$27.84

REPAIRS AND IMPROVEMENTS.

C. A. Bailey, broken stone.....	\$66.00	
W. H. Bangs & Co., labor.....	16.20	
Bunton & Bernard, material and labor.....	46.94	
John Bryson, paint and labor.....	73.79	
E. M. Bryant & Co., electric supplies.....	5.61	
Chelmsford Foundry Co., 250 grave markers	50.00	
S. P. Dodge Co., wrench, band, bolt.....	.95	
Durfee Embalming Fluid Co., 1 grave tent..	38.23	
Hale & Whittemore, 1 frame.....	1.00	
J. Hodge, grade stakes, etc.....	25.93	
Ideal Stamp Co., stamp and pad.....	1.75	
Manchester Hardware Co., pruner, wire, tacks	3.10	
Manchester Supply Co., pipe.....	26.35	
Manchester Traction, Light & Power Co., lights	5.55	
National Burial Device Co., repairs.....	5.00	
Palmer & Garmon, bounds and figures.....	135.46	
Pike & Heald Co., supplies and repairs.....	32.88	
Elmer E. Reed, whitewashing.....	3.00	
Oscar Thiem, use of mowing machine and rake	2.50	
Tilton Box Co., use of sidetrack.....	5.00	
John B. Varick Co., hardware.....	172.80	
West Side Lumber Co., lumber.....	44.40	
	<hr/>	\$762.44

TEAM EXPENSES.

Adams Brothers, grain.....	\$274.26
S. P. Dodge Co., blacksmithing.....	10.00
H. J. Dexter, 1 dump cart.....	176.00
H. J. Dexter, wagon body and setting tires	22.50
J. L. Golden, V. S., fixing teeth.....	2.00
Merrill & Laraba, grain.....	132.49
N. F. Paquette, harness repairs.....	12.00
J. Louis Poore, hay.....	7.70
Oscar Thiem, 1 work horse.....	150.00
J. O. and L. P. Tremblay, horseshoeing.....	32.75

 \$319.70

POND.

LABOR.

July	\$79.13
August	604.76
September	934.83
October	1,043.43
November	944.37
December	120.29

 \$3,726.81

C. A. Bailey, broken stone.....	\$171.25
W. H. Bangs & Co., pipe, ells, labor.....	39.98
Brodie Electric Co., repairing motor.....	1.10
Eugene Cullity, loam.....	15.75
G. W. Dodge Shoe Co., rubber boots.....	31.75
W. E. Dunbar & Sons, drawing 131 loads loam	85.15
Charles R. Earle, 3 catch basins.....	27.00
Farrell Bros., electric supplies and labor....	21.68
Head & Dowst Co., brick, cement, labor....	49.57
Manchester Hardware Co., hardware and tools	54.46
Manchester Supply Co., pipe.....	66.83
Manchester Traction, Light & Power Co., power for pump house.....	37.00
Pike & Heald Co., valves, pipe, etc.....	27.13
Frank G. Riley, loam.....	60.00
Street and park commission, pipe and labor	345.16
James Thompson, loam.....	194.00
John B. Varick Co., hardware.....	2.04
West Side Lumber Co., lumber.....	43.19

 \$1,273.04

VALLEY CEMETERY.

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SUNDRIES.

Boston & Maine Railroad, freight.....	\$6.17	
J. H. Erskine, expenses to Convention of American Cemetery Superintendents at Providence, R. I.....	18.00	
Edwin F. Jones, recording deed.....	.66	
Edwin F. Jones, making annual report.....	25.00	
		<u>\$49.83</u>
Total expenditures		<u><u>\$18,231.80</u></u>

Valley Cemetery.

Appropriation	<u><u>\$5,550.00</u></u>
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EXPENDITURES.

LABOR.

January	\$238.75	
February	194.00	
March	194.00	
April	417.18	
May	428.85	
June	425.05	
July	480.74	
August	262.23	
September	307.92	
October	390.87	
November	298.01	
December	221.30	
		<u>\$3,858.90</u>

STATIONERY, TELEPHONE, WATER.

New England Telephone & Telegraph Co., use of telephone.....	\$27.75	
Temple & Farrington Co., stationery and books	7.90	
Water commissioners, use of water.....	40.50	
		<u>\$76.15</u>

PLANTS, LOAM, ETC.

D. J. Adams, manure.....	\$30.88
S. P. Cannon, manure.....	5.00
Bridget Clune, manure.....	24.00

S. B. Dickey, loam.....	\$17.00	
W. E. Dunbar & Sons, loam.....	154.47	
C. R. Fish & Co., plants.....	27.50	
N. W. Page, turf.....	32.32	
Pine Grove cemetery, plants.....	120.90	
F. G. Stark, loam.....	48.00	
Union Coal Co., dressing.....	57.00	
		<hr/>
		\$517.07

SUPPLIES, REPAIRS, AND IMPROVEMENTS.

C. N. Baker, sharpening tools.....	\$12.60	
Bunton & Bernard, material and labor.....	69.75	
Joel S. Daniels, paint.....	73.41	
S. P. Dodge Co., irons, bolts.....	2.50	
W. E. Dunbar & Sons, team labor.....	21.36	
F. L. Follansbee & Son, moving buildings...	75.00	
Head & Dowst Co., lumber.....	31.01	
J. Hodge, outside window and sash.....	13.00	
Charles A. Hoitt Co., shades and fixtures....	5.85	
Manchester Cement Block & Concrete Co., sand	4.50	
Manchester Supply Co., pipe, labor, etc....	26.17	
Palmer & Garmon, resetting stones, etc....	19.50	
Paradis & Dionne, setting stone, etc.....	293.60	
Pike & Heald Co., pipe and labor.....	12.66	
Robie Consolidated Concrete Co., concrete...	135.90	
R. P. Stevens Co., cement.....	15.40	
Street and park commission, stone, cement, castings	50.49	
C. Thompson, cleaning clock.....	1.00	
John B. Varick Co., hardware and tools....	69.51	
J. Vogel & Co., harness repairs.....	1.50	
Wiggin-Young Co., scythes.....	1.50	
C. L. Wolf, repairs on boiler, etc.....	33.85	
		<hr/>
		\$970.06

SUNDRIES.

S. P. Cannon, services as clerk of trustees..	\$10.00	
H. J. Dexter, horseshoeing.....	16.00	
Gage & McDougall, grain.....	39.38	
F. H. Masse & Co., grain.....	41.62	
E. C. Smith, expenses to American Cemetery Superintendents' Convention, Providence,		
R. I.	18.00	
		<hr/>
		\$125.00
Total expenditures		<hr/>
		\$5,547.18
Transferred to unappropriated money.....		2.82
		<hr/>
		\$5,550.00
		<hr/>

Amoskeag Cemetery.

Appropriation	\$500.00	
Received from sale of fence.....	30.00	
Transferred from unappropriated money...	.17	
		<u>\$530.17</u>

EXPENDITURES.

LABOR.

C. Brown	\$6.00	
George C. Harwood.....	159.87	
Samuel Leslie	9.00	
W. F. Stearns.....	22.50	
		<u>\$197.37</u>

SUNDRIES.

J. P. Brown, use of team.....	\$2.00	
John Francis, plants.....	4.50	
Manchester Hardware Co., hardware.....	13.03	
John B. Varick Co., iron fence.....	299.23	
John B. Varick Co., sharpening lawn mowers	2.00	
Water commissioners, use of water.....	12.00	
		<u>\$332.80</u>
Total expenditures		<u>\$530.17</u>

Merrill Yard.

Appropriation	\$100.00
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EXPENDITURES.

LABOR.

January	\$5.62	
May	32.48	
June	4.65	
July	8.15	
August	5.57	
October	6.50	
December	36.75	
		<u>\$99.72</u>

Total expenditures	\$99.72	
Transferred to unappropriated money.....	.28	
		<u>\$100.00</u>

Repairs of Schoolhouses.

Appropriation	\$8,000.00	
Transferred from unappropriated money...	24.37	
		<u>\$8,024.37</u>

EXPENDITURES.

MASON WORK.

E. Bilodeau	\$92.45	
John S. Wheeler.....	9.55	
		<u>\$102.00</u>

PAINTING AND GLAZING.

J. J. Abbott.....	\$78.68	
John Bryson	192.67	
G. B. Cressey.....	14.19	
E. E. Emerson.....	169.00	
L. W. Howard.....	348.92	
W. J. Powers.....	1.00	
		<u>\$804.46</u>

PLUMBING, IRON WORK, REPAIRS.

D. J. Adams Co., repairing locks.....	\$0.95	
S. F. Adams & Co., lightning rods.....	300.00	
E. M. Bryant & Co., electric supplies and repairs	161.15	
W. E. Darrah, roofing material and labor...	15.18	
Farrell Brothers, electric supplies and repairs	50.35	
A. L. Franks & Co., electric supplies and labor	274.21	
Head & Dowst Co., lumber and labor.....	2,614.63	
James W. Hill Co., repairing flag.....	2.00	
C. A. Hoitt Co., labor on shades.....	1.25	
C. A. Hoitt Co., shades and fixtures.....	144.30	
L. E. Knott Apparatus Co., repairing air pump	8.90	
H. J. Lawson, material and labor on roofs and flag poles.....	359.53	
Manchester Cement Block & Concrete Co., building retaining wall.....	310.00	
Manchester Excavating Co., building vaults	46.50	
Manchester Hardware Co., bolts.....	.18	
Byron E. Moore, labor.....	9.00	
C. F. McDonald, plumbing repairs.....	170.35	

FURNITURE AND SUPPLIES.

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John T. McLaughlin, plumbing repairs.....	\$65.31	
J. F. Marchand, plumbing repairs.....	7.66	
Pike & Heald Co., material and labor on gas and heating.....	441.22	
Harry A. Piper, lumber and labor.....	801.18	
Powers Regulator Co., repairing thermostats	9.70	
Robie Consolidated Concrete Co., repairs...	88.65	
B. F. Shepard, repairing locks.....	7.53	
Stevens & Bradley, repairs, boiler and plumb- ing	438.80	
C. A. Trefethen, repairing clocks.....	10.00	
John B. Varick Co., hardware.....	.45	
G. F. Wenzel, making 1 bar.....	1.00	
John S Wheeler, repairing boilers.....	144.30	
		\$6,484.28

SUNDRIES.

American Seating Co., chair slides, desk bases	\$9.00	
W. B. Corey Co., trucking seats.....	4.00	
Frank L. Downs, carfare and express.....	9.90	
James H. Griffin, grading, sundry schools..	514.85	
William F. Henderson, labor, etc.....	1.63	
George Lenard, labor.....	5.25	
Eugene G. Libbey, team hire.....	10.00	
Ralph Robie, putting up new flag rope.....	1.50	
Travelers Insurance Co., insurance premium	76.00	
Henry Van Vliet, reseating chairs.....	1.50	
		\$633.63
Total expenditures		\$8,024.37

Printing and Advertising.

Appropriation	\$350.00
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EXPENDITURES.

John B. Clarke Co., printing cards, manuals, examination papers, etc.....	\$271.03	
John B. Clarke Co., 500 reports.....	37.60	
Union Publishing Co., advertising.....	24.44	
		\$333.07
Total expenditures		\$333.07
Transferred to unappropriated money.....		16.93
		\$350.00

Books and Stationery.

Appropriation		\$50.00
EXPENDITURES.		
E. A. Stratton Co., printing.....	\$10.90	
Temple & Farrington Co., books and cover..	9.00	
		\$19.90
Total expenditures		\$19.90
Transferred to unappropriated money.....		30.10
		\$50.00

Furniture and Supplies.

Appropriation	\$1,800.00	
Transferred from unappropriated money...	100.84	
		\$1,900.84

EXPENDITURES.

PHYSICAL AND CHEMICAL SUPPLIES.

Bausch & Lomb Optical Co.....	\$38.31	
Walsh & Cummings.....	33.76	
		\$72.07

BOOKS AND STATIONERY.

Boston Bank Note Co., diplomas.....	\$210.25	
Milton Bradley Co., kindergarten supplies...	223.76	
Columbia Ribbon & Carbon Mfg. Co., ribbons	11.50	
E. R. and W. P. Coburn, cards, frames.....	5.90	
William H. Claflin & Co., paper.....	25.55	
H. L. Davis, stamped envelopes.....	4.24	
W. P. Goodman, stationery.....	7.38	
J. L. Hammett Co., models.....	5.85	
Hammond Typewriter Co., shields, strips....	1.54	
New England Reed Co., raffia.....	2.93	
Riley & Sanborn, typewriter ribbons.....	17.50	
E. A. Stratton Co., shields, books.....	10.30	
Temple & Farrington Co., books, etc.....	15.95	
Wadsworth, Howland & Co., paints.....	17.00	
J. Arthur Williams, sewing cards.....	.50	
Yawman & Erbe Mfg. Co., cards.....	22.17	
		\$592.92

FURNITURE AND SUPPLIES.

S. A. Felton & Son Co., brushes, dusters....	\$45.90
L. M. Folsom, bunting, ribbon.....	25.48
James W. Hill Co., sewing supplies.....	175.76
George E. Hutchins, mats.....	21.00
Charles A. Hoitt Co., desk, table, chairs.....	30.00
R. K. Horne, basket, pails, cups, basins.....	5.74
W. S. Holt & Son, cotton waste.....	10.37
T. A. MacDonald, brooms.....	15.75
Monarch Typewriter Co., typewriters.....	107.50
F. E. Nelson, glass, crockery.....	12.68
Novelty Co., rent of typewriters.....	22.50
J. E. Post, brushes.....	5.34
C. A. Trefethen, clocks and repairs.....	11.50
Underwood Typewriter Co., 1 machine.....	90.00
John B. Varick Co., supplies.....	286.17
Williams Mfg. Co., balance on exchange....	20.00
Williams Mfg. Co., rent of typewriters.....	5.00

 \$890.69

SUNDRIES.

Amoskeag Mfg. Co., soap.....	\$9.50
E. M. Bryant & Co., 10 zines.....	.50
W. B. Corey Trucking Co., moving pianos...	4.00
Carl Friborg, oil.....	.28
J. W. Hesser, engrossing diplomas.....	39.00
William Heron, Jr., engrossing diplomas...	19.50
H. B. Hopkins Co., repairing typewriters...	8.10
C. A. Hoitt Co., use of chairs.....	20.66
C. F. Jack, paid for express.....	4.85
J. G. Jones, freight and cartage.....	33.14
A. A. Jenkins, tuning pianos.....	15.00
G. H. Libby, stamps.....	7.09
McLaughlin & Day, oil, soap.....	2.71
J. Y. McQuesten Co., use of chairs.....	4.16
John S. Mills, repairing typewriters.....	10.95
Parnell Bros., soap, oil.....	2.25
Piper & McIntire, use of piano.....	10.00
H. A. Piper, labor on seats and tables.....	21.75
A. D. Prince, soap.....	1.62
Smith Bros. Piano Co., rent of pianos.....	60.00
C. D. Steele & Co., oil.....	2.25
Swan & Finch Co., oil.....	21.90
Sulpho-Naphthol Co., sulpho-naphthol.....	24.00
J. O. Turcotte, use of chairs, cartage.....	25.00

J. H. Wiggin & Co., crackers.....	\$6.90	
Wiggin-Young Co., oil.....	.65	
		<u>\$353.76</u>
Total expenditures		<u><u>\$1,900.84</u></u>

Fuel.

Appropriation	\$10,500.00	
Transferred from unappropriated money...	1,496.22	
		<u>\$11,996.22</u>

EXPENDITURES.**COAL.**

L. B. Bodwell & Co.....	\$629.75	
Manchester Coal & Ice Co.....	3,165.74	
Moore & Preston Coal Co.....	7,044.84	
		<u>\$10,840.33</u>

WOOD.

Maxwell Ice Co.....	\$1,006.64
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SUNDRIES.

C. B. Clarkson, weighing coal.....	\$101.00	
J. J. McAllister, weighing coal.....	42.00	
Temple & Farrington Co., 20 books.....	6.25	
		<u>\$149.25</u>
Total expenditures		<u><u>\$11,996.22</u></u>

Contingent Expenses.

Appropriation	\$2,700.00	
Overdraft	5.25	
Transferred from unappropriated money...	353.58	
		<u>\$3,058.83</u>

EXPENDITURES.**ELECTRIC LIGHTS, GAS, WATER.**

Manchester Traction, Light & Power Co., lights	\$530.80	
People's Gas Light Co., gas.....	303.55	
Water commissioners, use of water.....	1,275.75	
		<u>\$2,110.10</u>

CARRYING WATER.

Eva M. Bean.....	\$19.00	
Emma J. Ela.....	19.00	
Mrs. Byron E. Moore.....	7.25	
G. M. Morse.....	19.00	
Levi J. Proctor.....	13.25	
		<hr/>
		\$77.50

USE OF TEAMS.

Maude E. Brown.....	\$46.50	
Charles W. Bickford.....	138.00	
Blanche Corning	12.50	
Curtis W. Davis.....	150.00	
Emma J. Ela.....	25.00	
Clydie M. Flanders.....	12.50	
Marion F. Partridge.....	96.00	
Henrietta G. Wilder.....	56.00	
		<hr/>
		\$536.50

SUNDRIES.

F. E. Browne, felt, paint, bolts.....	\$1.65	
Chandler & Barber, electro stain.....	3.47	
E. H. Clough, envelopes.....	10.70	
L. M. Folsom, ribbon, cotton, flannel, etc....	1.44	
Arthur W. French, 58 mounted photographs	10.70	
W. P. Goodman, stationery.....	3.40	
Isabelle Houliston, mounting board, fasteners	.60	
W. H. Huse, photographs.....	10.50	
A. A. Jenkins, tuning pianos.....	5.00	
G. H. Libbey, postage.....	3.98	
Manchester Traction, Light & Power Co., power for motor.....	65.00	
Monarch Typewriter Co., rent of machines..	10.00	
New England Telephone & Telegraph Co., use of telephone.....	6.07	
Novelty Co., rent of Fox typewriter.....	3.75	
Temple & Farrington Co., mounting photo- graphs	4.00	
N. Josephine Vance, clerk at High school....	162.00	
John B. Varick Co., hardware, paper.....	7.47	
Williams Mfg. Co., rent of typewriters.....	25.00	
		<hr/>
		\$334.73

Total expenditures	<hr/>	\$3,058.83
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Care of Schoolrooms.

Appropriation	\$7,800.00	
Transferred from unappropriated money...	9.67	
		<u>\$7,809.67</u>

EXPENDITURES.

JANITORS.

John S. Avery.....	\$462.46	
Edwin H. Baker.....	349.92	
Marshall N. Badger.....	225.00	
Charles Berglund	499.92	
Joseph H. Buffum.....	583.27	
Eva M. Bean.....	40.00	
Joseph Chalifoux.....	175.00	
Charles H. Corey.....	225.00	
Emma J Ela.....	38.00	
W. L. Fisher.....	46.23	
W. F. Henderson.....	549.96	
Louis Hueber.....	225.00	
Charles F. Jack.....	670.77	
George H. Jack.....	620.80	
Michael Mohan	13.50	
W. H. Newry.....	670.77	
Benjamin E. Nelson.....	34.50	
W. J. Powers.....	620.80	
Asa M. Smith.....	562.42	
William Stevens	233.31	
G. W. Southwick.....	9.15	
Mary E. Stevens.....	22.50	
Arabella Rickaby	60.00	
C. A. Underhill.....	598.11	
Inez M. Warren.....	41.00	
		<u>\$7,577.41</u>

SUNDRIES.

Charles W. Bickford, paid for cleaning.....	\$59.60	
C. W. Davis, paid for cleaning and use of team	135.53	
Daniels-Cornell Co., soap.....	9.00	
R. K. Horne,, oil stoves, oil cans.....	7.20	
W. S. Holt & Son, mops, etc.....	7.61	
John B. Varick Co., mops and wringers....	6.30	
Weeks Drug Co., corrosive sublimate.....	7.00	
		<u>\$232.26</u>
Total expenditures		<u>\$7,809.67</u>

Evening Schools.

Appropriation	\$1,500.00
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EXPENDITURES.

SALARIES.

Honorie J. Crough.....	\$116.00
Elizabeth Daley	56.00
Susie C. Fogg.....	58.00
Reta Grendell	38.00
Ralph Hadley	50.00
Madge Hall	51.00
Frank J. Kearns.....	58.00
Carroll King	116.00
Eva B. Larivee.....	58.00
Margaret G. Linen.....	58.00
John Lyons	47.00
Myra V. Moore.....	58.00
Adelia Murphy	58.00
John J. McAllister, Jr.....	106.00
Lawrence A. O'Connor.....	58.00
Florence Prescott	50.00
Edwin M. Rogers.....	35.00
Arthur W. Rowell.....	20.00
Carlena A. Savory.....	26.00
Minnie Sullivan	58.00
Joseph Tonery	49.00
Genieve B. Wilson.....	58.00
Susan G. Woodman.....	58.00

\$1,340.00

JANITORS.

John S. Avery.....	\$29.00
Charles Berglund	29.00
W. F. Henderson.....	22.50

\$80.50

SUNDRIES.

John B. Clarke Co., printing.....	\$9.75
Farrell Bros., mantles, chimneys, etc.....	8.95
J. G. Jones, cartage.....	2.50
Pike & Heald Co., mantles and chimneys....	3.60

\$24.80

Total expenditures	\$1,445.30
Transferred to unappropriated money.....	54.70

\$1,500.00

Evening School—Mechanical Drawing.

Appropriation		\$300.00
<hr/>		
EXPENDITURES.		
SALARIES.		
H. W. Allen, teacher.....	\$120.00	
John M. Kendall, teacher.....	120.00	
	<hr/>	\$240.00
SUNDRIES.		
Charles Berglund, janitor.....	\$6.50	
E. A. Stratton Co., drawing paper.....	20.00	
John B. Varick Co., triangles.....	9.12	
	<hr/>	\$35.62
Total expenditures		\$275.62
Transferred to unappropriated money.....		24.38
		<hr/>
		\$300.00

Teachers' Salaries.

Appropriation		\$106,000.00
<hr/>		
EXPENDITURES.		
SALARIES.		
January	\$10,398.86	
February	10,671.02	
March	10,772.80	
April	7,993.88	
May	10,703.62	
June	10,730.97	
September	8,300.21	
October	11,059.76	
November	11,556.98	
December	11,392.26	
	<hr/>	\$103,580.36
Total expenditures		\$103,580.36
Transferred to unappropriated money.....		2,419.64
		<hr/>
		\$106,000.00

Free Text Books.

Appropriation	\$7,000.00	
Received from sale of books.....	186.98	
		<hr/>
		\$7,186.98

EXPENDITURES.

FREE TEXT-BOOKS AND SUPPLIES.

Allyn & Bacon.....	\$177.87
American Book Co.....	1,234.29
Atkinson, Mentzer & Grover.....	94.32
D. Appleton & Co.....	37.92
The Barton Co.....	8.56
Bausch & Lomb Optical Co.....	23.52
E. E. Babb & Co.....	790.23
Milton Bradley Co.....	99.81
Maude Brown	1.61
Bobbs-Merrill Co.....	38.25
C. C. Burchard & Co.....	124.91
A. L. Burt Co.....	16.40
T. H. Castor & Co.....	2.58
Carter, Rice & Co.....	3.75
E. R. and W. P. Coburn.....	1.85
Eagle Pencil Co.....	7.50
Educational Publishing Co.....	.47
L. M. Folsom.....	.25
Gault & Spaulding.....	23.75
Ginn & Co.....	1,191.28
Gregg Publishing Co.....	47.55
Herman Goldberger	5.00
W. P. Goodman.....	13.17
J. L. Hammett Co.....	641.11
D. C. Heath & Co.....	338.66
C. Howard Hunt Pen Co.....	127.30
Houghton, Mifflin & Co.....	73.14
Henry Holt & Co.....	169.32
George F. King & Co.....	25.00
Kenney Bros. and Wolkins.....	205.37
J. B. Lippincott Co.....	89.30
Maynard, Merrill & Co.....	27.25
Charles E. Merrill Co.....	4.65
Marine Biological Laboratory Supply De- partment	39.58
New England Reed Co.....	3.94
Prang Educational Co.....	136.28
Powers & Lyons.....	21.89

Sinclair Manufacturing Co.....	\$43.09	
Silver, Burdett & Co.....	454.29	
Sibley & Co.....	5.09	
Temple & Farrington Co.....	2.25	
Thompson, Brown & Co.....	157.33	
John B. Varick Co.....	13.26	
Wadsworth, Howland & Co.....	23.67	
White-Smith Publishing Co.....	10.83	
J. Arthur Williams.....	2.00	
		<hr/>
		\$6,559.44
SUNDRIES.		
J. G. Jones, freight and cartage.....	\$76.79	
J. S. Mills, repairing typewriters.....	4.50	
Fannie L. Sanborn, superintendent's clerk...	540.00	
		<hr/>
		\$621.29
Total expenditures		<hr/>
		\$7,180.73
Transferred to unappropriated money.....		6.25
		<hr/>
		\$7,186.98
		<hr/> <hr/>

Manual Training.

Appropriation	\$600.00
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EXPENDITURES.

SUNDRIES.

E. M. Bryant & Co., dry batteries.....	\$1.98
Chandler & Barber, electro stain.....	2.25
Chandler & Farquhar, machine tools.....	9.65
John B. Clarke Co., printing cards.....	4.50
Mrs. N. J. Davis, repairs and laundry.....	2.00
Eugene Dietzgen Co., supplies.....	33.85
Head & Dowst Co., wood.....	317.20
Romeyn B. Hough, "Handbook of Trees of Northern States and Canada".....	8.00
J. G. Jones, freight and cartage.....	.75
A. S. Morse Co., hardware.....	2.86
F. E. Reed Co., 1 pinion for lathe.....	.75
Sherwin-Williams Co., "Amberlac," "Marve- lac"	4.25
E. A. Stratton Co., paper.....	8.00
Temple & Farrington Co., blank book.....	7.50

Eugene L. Pack, milling machine and express charges	\$86.90	
John B. Varick Co., supplies.....	103.25	
		<u>\$593.69</u>
Total expenditures		\$593.69
Transferred to unappropriated money.....		6.31
		<u>\$600.00</u>

Shaper for Manual Training.

Appropriation	<u>\$275.00</u>
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EXPENDITURES.

SUNDRIES.

Fred E. Browne, express charges.....	\$3.18	
The Mark Flather Planer Co., 1 No. 14 shaper, complete	261.25	
J. G. Jones' Transfer, freight and cartage..	3.30	
Leighton Machine Co., setting up shaper...	5.60	
John B. Varick Co., 1 pulley.....	1.30	
		<u>\$274.63</u>
Total expenditures		\$274.63
Transferred to unappropriated money.....		.37
		<u>\$275.00</u>

Grading and Concreting Around Highland School.

Balance from last year unexpended.....	<u>\$193.42</u>
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EXPENDITURES.

Transferred to new account.....	<u>\$193.42</u>
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Grading Around Varney School.

Balance from last year unexpended.....	<u>\$800.00</u>
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EXPENDITURES.

J. H. Mendell Co., contract for excavating earthwork and ledge; on account.....	<u>\$800.00</u>
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School Bell in Amoskeag.

Appropriation	\$700.00
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EXPENDITURES.

Transferred to new account.....	\$700.00
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Paupers Off Farm.

Appropriation	\$13,000.00
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Received for board at Industrial School.....	1,447.46
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Transferred from unappropriated money...	2,268.70
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	\$16,716.16
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EXPENDITURES.

GROCERIES AND MEATS.

Annis Grain & Lumber Co.....	\$108.00
Paul Bellefeuille	14.00
George Boisvert	189.90
J. B. Boulanger.....	128.00
J. B. Bourque & Co.....	22.04
Bureau & Leblond.....	95.84
John Cashman & Son.....	87.90
Dancose Brothers	260.00
Napoleon Daigle	11.00
J. N. Des Grosielliers.....	100.00
Dumas & Prince.....	24.00
L. F. Dusseault & Co.....	669.91
G. W. Flint.....	2.64
Carl Friborg.....	123.28
Arthur Gagne	328.00
Gaudette Bros.	53.35
German Co-operative Grocery Association...	24.05
James J. Griffin.....	56.00
Griffin & Duguay.....	28.00
Gorman Brothers	7.00
Mary Hayes	420.00
John Healy	35.00
Reinhardt Hecker	145.52
F. P. Johnson.....	393.36
John A. Kane.....	10.00
M. D. Knox	9.50
T. J. Labrecque.....	148.00
Maggie Landrigan	42.00
Lamoureux Brothers	193.50

E. W. Lewis.....	\$16.00
J. A. Marshall.....	.83
Molleur, Noel & Michaud.....	28.00
John Murphy	3.50
Daniel Murphy	8.96
John McDonough	662.25
Oscar McDuffie	245.48
John J. McQuade.....	10.00
McLaughlin & Day.....	94.00
Noury Brothers	200.00
O. H. Noury.....	169.00
John W. Nye.....	18.00
A. Nelson	10.00
Noel & Michaud	135.78
Hertel Pariseau	188.39
A. D. Prince.....	47.30
Edmond Pinard	32.00
F. H. Poore.....	20.00
Eugene Quirin	792.00
W. J. Rowell.....	58.00
Roy & Cloutier.....	21.43
Henry J. Rogler.....	54.00
M. A. Sheehan.....	1,231.00
C. D. Steele & Co.....	42.00
Joseph Trahan	16.00
Tennant & Haggerty.....	46.00
Aime Trottier	66.00
M. Verrette	88.00
Euclide C. Voisard.....	20.00
Robert Wallace	43.68
S. M. Wallace.....	12.00

 \$8,109.19

FUEL.

Annis Flour & Grain Co.....	\$7.00
Michael Bagwell	34.76
Napoleon Bournival	20.00
L. B. Bodwell & Co.....	4.00
Charles Boisclair	96.55
Narcisse Breault	6.25
Charland & Son.....	3.25
Wm. Charland & Co.....	49.00
N. Chaput	2.25
J. H. DeCourcy Co.....	243.17
W. E. Dunbar & Sons.....	77.23
Odilon Dubois	7.50
A. Ferland	33.00

C. A. & A. W. Flint.....	\$1.85
F. Farres	3.00
Philias Graveline	7.50
E. C. Haskell	10.50
A. Hill	16.00
J. B. Lacasse.....	18.00
Manchester Coal & Ice Co.....	8.25
Maxwell Ice Co.....	73.00
Moore & Preston Coal Co.....	9.88
B. J. Mack.....	77.52
Joseph Masse	17.38
E. W. Poore.....	19.75
Joseph Pouliot	65.40
John P. Russell.....	141.67
Raiche & Laforce.....	51.75
E. V. Tureotte.....	6.88

 \$1,112.29

BOARD, CARE, AND RENT.

Mrs. Olive Auger.....	\$106.00
Margaret Barrett	20.00
Mrs. Eva M. Bartlett.....	91.00
Mrs. James Coakley.....	56.00
Mrs. Michael Clare.....	106.00
Abraham Cote	120.00
Frank Cummings	3.00
Elizabeth Daley	90.00
Mrs. L. J. Eaton.....	10.00
Margaret Healy	132.00
Hillsborough County Farm.....	1,124.14
George P. Healy.....	8.20
Infant asylum	314.00
Alex Lacerte, Jr.....	21.00
Eric Lafgren	15.00
Michael Mahoney	110.00
Binna McCarthy	40.00
Joseph McCloskey	36.00
Mrs. E. F. Miller.....	18.00
Mary McGuire	26.50
Mary Marr	50.00
Mary Monroe	74.00
N. H. State Hospital.....	52.98
Notre Dame Hospital.....	173.50
Notre Dame Orphanage.....	289.75
Old Ladies' Home.....	160.00
F. X. Parent.....	30.00
Mary E. Pellerin.....	120.00

Julien Perron	\$24.00
Margaret Reagan	116.00
St. Joseph's Orphanage.....	620.00
St. Patrick's Orphanage.....	192.50
St. Pierre Orphanage.....	190.50
State Industrial School.....	1,732.92
Mary Stewart	66.00
Town of Epsom.....	84.74
Jennie Walker	36.00
William White	104.50
Jane Wolfe	216.00
Mrs. Edward Weber.....	16.00
Mrs. Annie Webber.....	72.00

\$6,868.23

BOOTS AND SHOES.

J. W. Campbell.....	\$9.60
Cobb & Perkins.....	1.50
Costello Brothers	15.40
M. A. Currier.....	9.45
Dodge & Dodge.....	3.00
G. W. Dodge Shoe Co.....	15.75
C. E. Green & Co.....	2.50
T. Pariseau	5.00
P. F. Toole.....	8.25
D. F. Shea.....	40.30
Arthel Simard	74.95

\$185.70

CLOTHING.

Boston Clothing Co.....	\$ 3.96
L. P. Labonte.....	4.00
U. N. Laberge & Co.....	4.00
Lane & Duzeois.....	13.50
Herbert Moody	3.00
Joseph Nightingale	7.00
Joseph St. Yves.....	2.25
L. O. Simard.....	8.25

\$45.96

MEDICINE, MEDICAL SERVICES, FUNERAL EXPENSES.

Dr. N. E. Biron, extracting teeth.....	\$3.00
W. M. Eames Drug Co., medicine.....	57.92
A. L. Gadbois, funeral outfits.....	25.00
Elmer Goodwin, burial outfit.....	25.00
Jessie L. Hanscom, medicine.....	6.90
Kean & Sheehan, burial outfit.....	20.00

Kerwin & Sheehan, medicine.....	\$35.45	
The Littlefield Drug Co., medicine.....	7.23	
J. A. Marshall, medicine.....	11.60	
McDonough & Shea, burial outfit.....	25.00	
A. Precourt, medicine.....	3.55	
E. V. Turcotte, burial outfits.....	98.00	
Walsh & Cummings, medicine.....	38.40	
		<u>\$357.05</u>

SUNDRIES.

John Callahan, conveying Paige child to Manchester	\$9.14	
Michael Healy, conveying persons to State Hospital	8.00	
H. H. Lamoureux, hacks.....	7.00	
E. G. Libbey, conveyance to county farm....	5.00	
E. A. Stratton Co., stationery.....	2.60	
F. L. Wallace, use of ambulance.....	6.00	
		<u>\$37.74</u>
Total expenditures		<u><u>\$16,716.16</u></u>

City Farm.

Appropriation	\$700.00	
Transferred from unappropriated money....	88.51	
		<u>\$788.51</u>

EXPENDITURES.

INSURANCE PREMIUMS.

George Blanchet.....	\$10.00	
W. G. Berry.....	15.00	
Robert R. Chase.....	10.00	
John Dowst	10.00	
Everett & Bunton.....	21.66	
John A. Sheehan.....	18.75	
Fred R. Stark.....	5.00	
		<u>\$90.41</u>

SUNDRIES.

T. J. Briggs, repairing plumbing.....	\$8.35	
John Burns, labor.....	6.00	
Asa F. Dolloff, caretaker.....	418.75	
W. T. Giguere, lunch, time of auction.....	00.48	

W. Y. Hadlock & Co., use of automobile.....	\$20.00	
H. H. Lamoureux, hacks for committees....	23.50	
Manchester Hardware Co., tree pruner.....	1.25	
Manchester Traction, Light & Power Co., lights	23.85	
New England Telephone & Telegraph Co., use of telephone.....	22.92	
Levi J. Proctor, labor at city farm.....	97.75	
J. G. Taggart, advertising sale of apples....	5.25	
Water commissioners, use of water.....	10.00	
		<u>\$698.10</u>
Total expenditures		<u><u>\$788.51</u></u>

Indigent Soldiers.

Appropriation	\$125.00	
Transferred from unappropriated money....	156.09	
		<u>\$281.09</u>

EXPENDITURES.

GROCERIES.

L. F. Dusseault & Co.....	\$71.90	
Oscar McDuffie	7.00	
Parnell Brothers	46.43	
F. H. Poore.....	63.00	
Tennant & Haggerty.....	12.00	
		<u>\$200.33</u>

FUEL.

J. H. DeCourcy Co.....	\$3.88	
W. E. Dunbar & Sons.....	11.88	
B. J. Mack.....	3.25	
Maxwell Ice Co.....	61.75	
		<u>\$80.76</u>
Total expenditures		<u><u>\$281.09</u></u>

Board of Examiners of Plumbers.

Appropriation	<u><u>\$50.00</u></u>
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EXPENDITURES.

John B. Clarke Co., printing reports.....	\$4.80	
W. P. Goodman, paper.....	7.00	
Pike & Heald Co., supplies.....	37.35	
Temple & Farrington Co., stationery.....	.85	
		<hr/>
		\$50.00
Total expenditures		<hr/>
		\$50.00
		<hr/>

Band Concerts.

Appropriation	\$450.00
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EXPENDITURES.

Cadet Band	\$100.00	
City Band	100.00	
First Infantry Band.....	50.00	
Lafayette Band	100.00	
Turner Band	100.00	
		<hr/>
		\$450.00
Total expenditures		<hr/>
		\$450.00
		<hr/>

Militia.

Appropriation	\$1,200.00
	<hr/>

EXPENDITURES.

Company A, First Regiment, N. H. N. G.....	\$100.00
Company B, First Regiment, N. H. N. G.....	100.00
Company C, First Regiment, N. H. N. G.....	100.00
Company F, First Regiment, N. H. N. G.....	100.00
Company K, First Regiment, N. H. N. G.....	100.00
Company L, First Regiment, N. H. N. G.—	100.00
Battery, N. H. N. G.....	100.00
Camp Derwin, No. 184, Spanish-American War Veterans	100.00
First Infantry Band.....	50.00
Louis Bell Post, No. 3, G. A. R.....	100.00

Joseph Freschl Post, G. A. R.....	\$100.00	
Manchester War Veterans.....	100.00	
Regimental headquarters.....	50.00	
		<hr/>
		\$1,200.00
		<hr/>
Total expenditures		\$1,200.00
		<hr/> <hr/>

Decoration of Soldiers' Graves.

Appropriation	\$500.00
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EXPENDITURES.

First Field Battery.....	\$8.63	
Joseph Freschl Post, G. A. R.....	100.00	
Louis Bell Post, G. A. R.....	390.33	
		<hr/>
		\$498.96
		<hr/>
Total expenditures		\$498.96
Transferred to unappropriated money.....		1.04
		<hr/>
		\$500.00
		<hr/> <hr/>

Purchase of Land Sold for Taxes.

Appropriation	\$5,000.00
	<hr/> <hr/>

EXPENDITURES.

George E. Morrill.....	\$3,607.50	
		<hr/>
Total expenditures		\$3,607.50
Transferred to unappropriated money.....		1,392.50
		<hr/>
		\$5,000.00
		<hr/> <hr/>

Abatement of Taxes.

Appropriation	\$2,000.00
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EXPENDITURES.

Abraham Dion	\$49.58	
George E. Morrill.....	1,932.85	
		<u>\$1,982.43</u>
Total expenditures		\$1,982.43
Transferred to unappropriated money.....		17.57
		<u><u>\$2,000.00</u></u>

State Tax.

Appropriation	<u>\$79,550.00</u>
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EXPENDITURES.

State of New Hampshire.....	<u>\$79,550.00</u>
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County Tax.

Appropriation	<u>\$62,233.47</u>
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EXPENDITURES.

County of Hillsborough.....	<u>\$62,233.47</u>
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Revision of Ordinances.

Balance from last year unexpended.....	<u>\$600.00</u>
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EXPENDITURES.

Transferred to new account.....	<u>\$600.00</u>
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Manchester Historical Society.

Appropriation	<u>\$600.00</u>
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EXPENDITURES.

Manchester Historical Society, printing early records of town of Derryfield.....	<u>\$600.00</u>
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Manchester Battalion Rifle Range Association.

Appropriation	\$500.00
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EXPENDITURES.

Manchester Battalion Rifle Range Association.....	\$500.00
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Animal Rescue League.

Appropriation	\$300.00
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EXPENDITURES.

Animal Rescue League.....	\$300.00
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Elliot Hospital.

Appropriation	\$300.00
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EXPENDITURES.

Elliot Hospital, amount appropriated.....	\$300.00
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Infant Asylum, Our Lady of Perpetual Help.

Appropriation	\$300.00
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EXPENDITURES.

Infant Asylum, Our Lady of Perpetual Help, amount appropriated	\$300.00
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Hospice St. Vincent de Paul.

Appropriation	\$300.00
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EXPENDITURES.

Hospice St. Vincent de Paul, amount appropriated.....	\$300.00
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Notre Dame de Lourdes.

Appropriation	\$300.00
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EXPENDITURES.

Notre Dame de Lourdes Hospital, amount appropriated	\$300.00
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Orphelinat St. Pierre.

Appropriation	\$300.00
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EXPENDITURES.

Orphelinat St. Pierre, amount appropriated.....	\$300.00
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Sacred Heart Hospital.

Appropriation	\$300.00
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EXPENDITURES.

Sacred Heart Hospital, amount appropriated.....	\$300.00
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St. Joseph's Boys' Orphanage.

Appropriation	\$300.00
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EXPENDITURES.

St. Joseph's Boys' Orphanage, amount appropriated....	\$300.00
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Women's Aid Home.

Appropriation	\$300.00
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EXPENDITURES.

Women's Aid Home, amount appropriated.....	\$300.00
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W. C. T. U. Mercy Home

Appropriation	\$300.00
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EXPENDITURES.

W. C. T. U. Mercy Home, amount appropriated.....	\$300.00
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Boys' Club.

Appropriation	\$200.00
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EXPENDITURES.

Boys' Club, Annie B. Lincoln, treasurer.....	\$200.00
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West Side Reading Room.

Appropriation	\$100.00
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EXPENDITURES.

West Side Reading Room, amount appropriated.....	\$100.00
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**Resolution Raising Money and Making Appropriations
for the Year 1907.**

Resolved by the Board of Common Council of the City of Manchester,
as follows:

That the sum of six hundred and eighty-one thousand, five hundred and fifty-eight dollars and forty-seven cents (\$681,558.47) be raised for the use of said city for the year nineteen hundred and seven by tax on the polls and estates liable to be taxed thereon, in said city, which sum, together with such unappropriated money as may be now in the city treasury or may hereafter come into it, shall be appropriated as follows, to wit:

CENTRAL DEPARTMENT.

Interest	\$44,000.00
Sinking fund	33,500.00
City hall	4,000.00
Printing and stationery.....	2,000.00
Incidental expenses	8,000.00
Land sold for taxes.....	5,000.00

Mayor's incidentals	\$300.00
City officers' salaries.....	21,000.00
Payment of funded debt.....	10,000.00
Auditor's department.....	2,100.00

DEPARTMENT OF TAXES.

State tax	\$79,550.00
County tax	62,233.47

ASSESSORS' DEPARTMENT.

Assessors' department	\$8,500.00
Abatement of taxes	2,000.00

ENGINEER'S DEPARTMENT.

Engineer's department	\$9,000.00
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STREET AND SEWER DEPARTMENT.

Street and park commission.....	\$3,300.00
Snow and ice.....	9,000.00
Repairs of highways.....	44,200.00
New highways	5,000.00
Watering streets	7,000.00
Paving streets	5,000.00
Macadamizing streets	7,000.00
Grading for concrete	3,500.00
Scavenger service	25,000.00
Street sweeping	6,000.00
Bridges	7,000.00
City teams	8,000.00
Repairs of sewers	8,000.00
New sewers	30,000.00
New bridge over Cohas Brook.....	2,000.00
Brown-tail and gypsy moth.....	5,000.00

SCHOOL DEPARTMENT.

Books and stationery.....	\$50.00
Care of rooms.....	7,800.00
Contingent expenses	2,700.00
Evening schools	1,500.00
Evening schools, drawing.....	300.00
Free text-books	7,000.00
Fuel	10,500.00
Furniture and supplies.....	1,800.00
Manual training	600.00
Printing and advertising.....	350.00

Repairs of schoolhouses.....	\$8,000.00
Teachers' salaries	106,000.00
School bell in Amoskeag.....	700.00
Shaper for manual training school.....	275.00

FIRE DEPARTMENT AND HYDRANT SERVICE.

Fire department	\$77,250.00
Fire-alarm telegraph.....	2,600.00
Hydrant service	20,625.00
Equipping and maintenance of ward 10 engine-house...	13,280.00
Two-horse hose wagon, central station.....	1,200.00

PUBLIC BUILDINGS AND PLACES.

Repairs on Lake avenue engine house.....	\$1,500.00
Repairs on central fire station.....	1,500.00
Repairs on police station.....	1,000.00
Repairs on sub police station.....	700.00
General repairs on public buildings.....	5,300.00
Pine Grove cemetery.....	12,000.00
Valley cemetery	5,550.00
Amoskeag cemetery	500.00
Merrill yard	100.00
Care of commons.....	4,500.00
Stark park	1,000.00
Derryfield park	1,000.00
Lafayette park	2,000.00
Miscellaneous playgrounds	200.00
Purchase of clay for Pine Grove cemetery.....	1,200.00
Improvement of pond at Pine Grove cemetery.....	5,000.00
Ward two wardroom.....	500.00
Public bathhouse and maintenance.....	1,000.00

HEALTH DEPARTMENT.

Health department	\$10,000.00
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POLICE DEPARTMENT.

Police station	\$3,000.00
Police court	2,900.00
Police commission	55,970.00

CITY LIBRARY.

Salaries and expenses.....	\$7,000.00
Purchase of books.....	1,000.00

PATRIOTIC, CHARITABLE, AND PHILANTHROPIC.

Support of paupers.....	\$13,000.00
City farm	700.00
Indigent soldiers and sailors.....	125.00
Women's Aid Home,.....	300.00
Elliot Hospital	300.00
Sacred Heart Hospital.....	300.00
Notre Dame Hospital.....	300.00
Mercy Home	300.00
Infant Asylum	300.00
Decoration of soldiers' graves, Joseph Freschl Post, G. A. R.	100.00
Decoration of soldiers' graves, Louis Bell Post, G. A. R.	400.00
Company A, First Regiment, N. H. N. G.....	100.00
Company B, First Regiment, N. H. N. G.....	100.00
Company C, First Regiment, N. H. N. G.....	100.00
Company F, First Regiment, N. H. N. G.....	100.00
Company K, First Regiment, N. H. N. G.....	100.00
Company L, First Regiment, N. H. N. G.....	100.00
Battery, N. H. N. G.....	100.00
Headquarters and band, First Regiment.....	100.00
Joseph Freschl Post, G. A. R.....	100.00
Louis Bell Post, G. A. R.....	100.00
Manchester War Veterans.....	100.00
Spanish War Veterans.....	100.00
Band concerts	450.00
Manchester Battalion Rifle Range Association.....	500.00
Manchester Historical Society.....	600.00
Boys' Club	200.00
Orphelinat St. Pierre.....	300.00
Examiners of plumbers.....	50.00
West Side Reading Room.....	100.00
St. Joseph's Boys' Orphanage.....	300.00
Animal Rescue League.....	300.00
Hospice St. Vincent de Paul.....	300.00

LIGHTING STREETS DEPARTMENT.

Lighting streets	\$58,000.00
Passed March 22, 1907.	

TABULAR STATEMENT OF TAXATION BY BOARD OF ASSESSORS.

TABULAR STATEMENT OF TAXATION.

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Resident and nonresident.	Polls.		Dogs.*		Real estate, value.	Stock in trade.	Money on hand, at interest, or on deposit, value.	Horses, asses, and mules, over 18 months old.		Carriages, value.	Cows, oxen, and other neat stock over 18 months old.	
	No.	Value.	Male.	Feml'e				No.	Value.		No.	Value.
1891....	10,367	\$1,036,700	713	49	\$811.00	\$2,332,752.00	\$382,626.00	2,151	\$185,808.00	\$53,496.00	671	\$12,944.00
1892 ...	10,673	1,067,300	700	43	786.00	2,355,780.00	375,694.00	2,235	200,182.00	53,590.00	616	12,580.00
1893 ...	11,835	1,183,500	.....	.....	.....	2,554,818.00	425,334.00	2,777	210,032.00	59,516.00	551	11,856.00
1894 ...	12,103	1,210,300	.....	.....	.....	2,421,954.00	519,500.00	2,608	200,376.00	57,526.00	452	9,618.00
1895....	11,244	1,224,400	.....	.....	.....	2,435,546.00	149,592.00	2,639	196,264.00	59,128.00	431	9,710.00
1896....	12,583	1,258,300	.....	.....	.....	2,421,862.00	147,148.00	2,644	184,790.00	57,440.00	410	9,308.00
1897 ...	12,921	1,292,100	.....	.....	.....	2,772,400.00	113,288.00	2,617	174,746.00	57,810.00	507	10,920.00
1898....	12,808	1,280,800	.....	.....	.....	2,782,386.60	167,160.00	2,640	171,242.00	56,668.00	551	12,400.00
1899 ...	13,137	1,313,700	.....	.....	.....	3,939,419.00	176,388.00	2,648	169,977.00	58,129.00	619	14,570.00
1900....	13,759	1,375,900	.....	.....	.....	3,509,072.00	1,293,585.00	2,755	174,593.00	88,500.00	704	16,690.00
1901....	13,976	1,397,600	.....	.....	.....	3,888,517.00	364,436.00	2,669	174,242.00	99,976.00	551	14,076.00
1902 ...	14,079	1,407,900	.....	.....	.....	3,536,583.00	1,173,222.00	2,621	180,157.00	120,369.00	519	13,414.00
1903 ...	14,384	1,438,400	.....	.....	.....	3,303,445.00	1,210,597.00	2,577	179,065.00	129,404.00	554	16,639.00
1904....	14,451	1,445,100	.....	.....	.....	3,400,749.00	1,258,931.00	2,483	177,580.00	126,762.00	586	15,564.00
1905....	14,650	1,465,000	.....	.....	.....	3,858,690.00	1,125,553.00	2,384	186,597.00	150,365.00	636	20,959.00
1906 ...	15,481	1,548,100	.....	.....	.....	4,800,392.00	185,624.00	2,288	189,238.00	159,026.00	638	19,736.00
1907 ...	15,800	1,580,000	.....	.....	.....	4,940,178.00	162,330.00	2,406	207,385.00	170,351.00	635	19,978.00

Dog tax repealed. See chapter 6, January Laws of 1893

TABULAR STATEMENT OF TAXATION BY BOARD OF ASSESSORS.--Continued

Hogs.		Sheep over six months old		Fowls.		Stock in banks and other corporations, value.	Stock in public funds and bonds, value.	Factories and their machinery, value.	Total value.	Rate of tax per hundred.	Tax levied.	Total including dog tax.
No.	Value	No.	Value.	No.	Value.							
115	\$832.00	12	\$ 30.00	.....	.....	\$290,100.00	\$ 19,900.00	\$6,432,576.00	\$24,872,492.00	\$1.78	\$442,730.72	\$443,541.76
85	572.00	14	42.00	.....	\$226.00	301,700.00	4,400.00	6,649,000.00	25,332,044.00	1.95	505,679.17	506,465.17
12	120.00	13	38.00	.....	52.00	317,670.00	5,600.00	6,667,906.00	27,439,742.00	1.83	507,640.68	507,640.68
73	820.00	40	80.00	.....	316.00	230,000.00	22,100.00	6,763,050.00	28,391,710.00	1.78	505,372.44	505,372.44
52	524.00	29	62.00	.....	174.00	263,166.00	1,400.00	6,774,950.00	28,861,122.00	1.74	502,183.02	502,183.02
26	260.00	43	90.00	.....	.....	249,104.00	2,000.00	6,755,100.00	29,443,668.00	1.86	547,651.50	547,651.50
45	470.00	33	56.00	.....	.....	233,264.00	.....	7,068,650.00	30,486,946.00	2.08	634,127.80	634,127.80
69	490.00	43	64.00	.....	610.00	250,934.00	.....	7,090,300.00	30,988,488.00	1.95	604,280.37	.....
45	418.00	11	24.00	.....	756.00	222,460.00	.....	6,294,181.00	31,491,784.00	1.95	614,066.93	.....
35	354.00	7	14.00	.....	904.00	213,344.00	.....	6,464,589.00	32,706,794.00	1.90	621,428.47	.....
12	92.00	6	18.00	.....	1,200.00	223,783.00	.....	6,324,919.00	33,041,112.00	1.98	654,214.00	.....
.....	.....	8	24.00	.....	1,400.00	227,982.00	.....	6,399,956.00	33,044,334.00	2.25	743,497.53	.....
7	100.00	.....	.....	.....	832.00	210,272.00	.....	6,194,496.00	32,819,850.00	2.10	689,217.79	.....
2	20.00	.....	220.00	.....	410.00	185,950.00	.....	6,102,524.00	33,179,294.00	1.95	647,003.29	.....
27	190.00	5	16.00	.....	1,337.00	287,220.00	.....	6,103,731.00	34,176,466.00	2.08	710,870.13	.....
18	224.00	.....	.....	.....	1,314.00	239,002.00	.....	6,128,294.00	35,413,510.00	1.91	676,402.89	.....
23	272.00	.....	.....	.....	871.00	233,746.00	4,700.00	6,247,487.00	.....	1.85	683,915.28	.....

Assessors' Oath.

We, the Assessors of the city of Manchester, do solemnly swear that in making the invoice for the purpose of assessing the foregoing taxes, we appraise all taxable property at its full value, and as we would appraise the same in payment of a just debt due from a solvent debtor. *So help us God.*

Valuation and Taxes.

The amount of taxes assessed on the polls and on the real and personal estate, within the city of Manchester, N. H., for the year 1907 was as follows:

	Valuation.	Rate.	Tax.
Real estate	\$29,648,573	\$18.50	\$548,498.60
Personal property	5,739,821	18.50	106,186.68
	<hr/>		<hr/>
	\$35,388,394		\$654,685.28
Number of polls, 15,800.....	1,580,000	18.50	29,230.00
	<hr/>		<hr/>
	\$36,968,394		\$683,915.28
Fractional gain			7.04
School tax			162.80
			<hr/>
Total tax levied			\$684,085.12

The share distributed to Manchester of the amount of tax assessed, as per returns made by the corporations to state treasurer:

On railroads	\$54,672.01
On savings banks.....	80,087.13
On insurance companies.....	3,077.00
On literary fund.....	3,620.35
	<hr/>
Grand tax total.....	\$825,541.61

For further information in relation to taxes collected by the state, see State Treasurer's report.

TAX VALUATIONS, ETC., FROM 1890 TO 1907, INCLUSIVE

YEAR.	Valuation.	Taxes.	No. polls.	Poll tax.	Valuation of poll.
1890.....	\$24,307,740	\$462,869.17	9,723	\$1.91	\$100
1891.....	24,872,492	443,541.76	10,367	1.78	100
1892.....	25,932,044	506,465.17	10,673	1.95	100
1893.....	27,439,742	507,640.68	11,835	1.85	100
1894.....	29,391,710	505,372.44	12,103	1.74	100
1895.....	28,861,122	502,183.02	12,244	1.74	100
1896.....	29,443,668	547,651.50	12,583	1.86	100
1897.....	30,486,946	634,127.80	12,921	2.08	100
1898.....	30,988,488	604,280.57	12,808	1.95	100
1899.....	31,491,784	614,096.93	13,137	1.95	100
1900.....	32,706,794	621,428.47	13,759	1.90	100
1901.....	33,041,112	654,214.00	13,976	1.98	100
1902.....	33,034,334	743,497.53	14,079	2.25	100
1903.....	32,819,850	689,217.79	14,334	2.10	100
1904.....	33,179,294	647,003.29	14,451	1.95	100
1905.....	34,176,466	710,370.13	14,650	2.08	100
1906.....	35,413,510	676,402.89	15,481	1.91	100
1907.....	36,968,394	683,915.28	15,800	1.85	100

**Statement of the Account of George E. Morrill, Tax Collector, for the City of Manchester, N. H.,
July 1, 1907.**

	Amount outstanding July 1, 1906.	Collected.	Balance outstanding July 1, 1907.
Tax list, 1885	\$1,205.71		\$1,205.71
1886	1,264.85		1,264.85
1887	1,163.94		1,163.94
1888	1,580.13		1,580.13
1889	1,395.13		1,395.13
1890	1,687.08		1,687.08
1891	1,966.63		1,966.63
1892	2,582.12		2,582.12
1893	4,095.13		4,095.13
1894	3,514.05		3,514.05
1895	5,004.92		5,004.92
1896	4,992.00		4,992.00
1897	5,296.91		5,296.91
1898	5,629.21		5,629.21
1899	5,675.09		5,675.09
1900	5,150.11		5,150.11
1901	6,068.01		6,068.01
1902	6,501.97		6,501.97
1903	7,164.97	\$2.10	7,162.87
1904	6,683.18	39.00	6,644.18
1905	8,615.41	262.38	8,353.03

Amount collected	\$303.48
Credit by cash, as per treasurer's receipt No. 110 in 1907.....	303.48

Interest collected	\$1,565.47
Credit by cash, as per treasurer's receipts, Nos. 96 and 109 in year 1907.....	1,565.47

Costs collected	\$1,725.30
Credit by cash, as per treasurer's receipts, Nos. 95 and 108 in year 1907.....	1,725.30

Dr.

1906.	
June 1. To warrant resident list.....	\$674,778.01
warrant nonresident list.....	1,624.88
voluntary list	1,020.10
warrant school tax.....	154.00
	<u>\$677,576.99</u>

CR.

1906, 1907.

By cash paid treasurer, per vouchers Nos. 110, 134, 144, 150, 154, 163, 198, 201 in year 1906, and 21, 25, 48, 94, 99, 100, 111 in year 1907	\$667,409.87	
By abatements, vouchers Nos. 166, 186 in year 1906, and 101 in 1907.....	1,340.63	
By unpaid taxes July 1, 1907.....	8,826.49	
		<hr/>
		\$677,576.99
		<hr/>

MANCHESTER, July 30, 1907.

I hereby certify that I have examined the account of George E. Morrill, tax collector of said Manchester, and find the same correct, as above stated.

JAMES E. DODGE,
City Auditor.

TABLE OF TAXES DUE AND UNCOLLECTED.

YEAR.	Due January 1, 1907, assessed in 1907.	Discounts and abatements, 1907.	Collected in 1907.	Due December 31, 1907.
Taxes of 1885.....	\$1,205.71	.....	.....	\$1,205.71
" of 1886.....	1,264.85	.....	.....	1,264.85
" of 1887.....	1,163.94	.....	.....	1,163.94
" of 1888.....	1,580.13	.....	.....	1,580.13
" of 1889.....	1,395.13	.....	.....	1,395.13
" of 1890.....	1,687.08	.....	.....	1,687.08
" of 1891.....	1,966.63	.....	.....	1,966.63
" of 1892.....	2,582.12	.....	.....	2,582.12
" of 1893.....	4,095.13	.....	.....	4,095.13
" of 1894.....	3,514.05	.....	.....	3,514.05
" of 1895.....	5,004.92	.....	.....	5,004.92
" of 1896.....	4,992.00	.....	.....	4,992.00
" of 1897.....	5,296.91	.....	.....	5,296.91
" of 1898.....	5,629.21	.....	.....	5,629.21
" of 1899.....	5,675.09	.....	.....	5,675.09
" of 1900.....	5,150.11	.....	.....	5,150.11
" of 1901.....	6,068.01	.....	.....	6,068.01
" of 1902.....	6,501.97	.....	.....	6,501.97
" of 1903.....	7,164.37	.....	\$2.10	7,162.87
" of 1904.....	6,683.18	.....	39.00	6,644.18
" of 1905.....	8,615.41	.....	262.38	8,353.03
" of 1906.....	{ 1,174.10 } { 59,815.37 }	650.63	51,512.35	8,826.49
" of 1907.....	683,915.28	1,257.84	613,301.02	69,356.42
	\$832,141.40	\$1,908.47	\$665,116.85	\$832,141.40

Some Laws and Decisions Relating to Exemptions From Taxation.

CONSTITUTION OF NEW HAMPSHIRE, ARTICLE 82, PAGE 38, PUBLIC STATUTES.

ENCOURAGEMENT OF LITERATURE, ETC.

ART. 82. "Knowledge and learning generally diffused through a community being essential to the preservation of a free government, and spreading the opportunities and advantages of education through the various parts of the country, being highly conducive to promote this end, it shall be the duty of legislators and magistrates, in all future periods of this government, to cherish the interests of literature and the sciences, and all seminaries and public schools; to encourage private and public institutions, rewards, and immunities for the promotion of agriculture, arts, sciences, commerce, trades, manufactures, and natural history of the country; to countenance and inculcate the principles of humanity and general benevolence, public and private charity; industry and economy, honesty and punctuality, sincerity, sobriety, and all social affections and generous sentiments among the people; *provided, nevertheless*, that no money raised by taxation shall ever be granted or applied for the use of schools or institutions of any religious sect or denomination."

PUBLIC STATUTES, CHAPTER 55.

"SECT. 2. Real estate, whether improved or unimproved, and whether owned by residents or others, is liable to be taxed, except houses of public worship, twenty-five hundred dollars of the value of parsonages owned by religious societies and occupied by their pastors, schoolhouses, seminaries of learning, real estate of the United States, state or town used for public purposes, and almshouses on county farm."

"SECT. 11. Towns may by vote exempt from taxation for a term not exceeding ten years any manufacturing establishment proposed to be erected or put in operation therein, and the capital to be used in operating the same, unless such establishment has been previously exempted from taxation by some town."

OPINION OF THE SUPREME COURT.

58 N. H. Rep., page 623. "The exemption in each case is limited to ten years. A perpetual alienation of the whole power of taxation would be the destruction of government; and the dangerous tendency of legislation suspending any part of that power, for any period, is manifest. *P. Bank v. Billings*, 4 Pet. 514, 561. So long as the existing laws remain unrepealed, and the constitutional construction heretofore adopted remains unchanged, contracts hereafter made under these laws and that construction will be valid. If the legislature for any

reason wish to prevent the making of any more such contracts, their object can be accomplished by a repeal of the laws authorizing them."

Hospitals, etc., are exempt from taxation in their respective charters as "being of the nature of a public charity," as follows:

Gale Home for Aged and Destitute Women, N. H. Laws of 1899, chapter 199.

Elliot Hospital, N. H., Laws of 1881, chapter 178.

Manchester Woman's Aid and Relief Society, organized in January, 1875, N. H. Laws, 1891, chapter 283.

Orphanage and Home for Old Ladies (Catholic) on Hanover street, N. H. Laws, 1883, chapter 56.

Schedule of Property Used for Religious, Charitable and Educational Purposes, and Exempt From Taxation by Law, Not Including That Owned by the City of Manchester.

Convent, Sister Jesus Mary, French Catholic; East Spruce street, near Beech:

Building	\$10,000.00	
13,000 square feet of land.....	2,600.00	
		\$12,600.00

Convent, Sisters of Mercy, Catholic; 415 Union street, corner Laurel:

Building	\$30,000.00	
12,600 square feet of land.....	6,300.00	
		\$36,300.00

Mount St. Mary's Academy, Catholic; from convent lot east to Beech street:

Building	\$25,000.00	
31,500 square feet of land.....	9,450.00	
		\$34,450.00

Lot south side of Laurel street, corner of Union street, Catholic; McDonald school:

Building	\$35,000.00	
10,800 square feet of land.....	5,000.00	
		\$40,000.00

Hospital of the Sacred Heart and Old Ladies' Home, Catholic; Amherst and Hanover streets:

Building	\$14,000.00	
40,500 square feet of land.....	30,375.00	
		\$44,375.00

St. Patrick's Orphan Asylums, Catholic; 184 Hanover street:

Building	\$47,000.00	
40,500 square feet of land.....	40,500.00	
		\$87,500.00

St. Joseph's High School, Catholic; Lowell street, corner of Birch:

Building	\$12,000.00	
8,000 square feet of land.....	8,000.00	
		<hr/>
		\$20,000.00

Union-street school, Catholic; corner of Union and Laurel streets:

Building	\$4,000.00	
5,000 square feet of land.....	2,500.00	
		<hr/>
		\$6,500.00

St. Agnes' school, Catholic; corner Cedar and Pine streets:

Building	\$12,000.00	
20,000 square feet of land.....	3,200.00	
		<hr/>
		\$15,200.00

St. Joseph's school for girls, Catholic; corner Pine and Lowell streets:

Building	\$10,000.00	
Land included in cathedral lot.		
		<hr/>
		\$10,000.00

Convent of Holy Angels, French Catholic; Beauport street, corner Wayne, West Manchester:

Building	\$15,000.00	
22,500 square feet of land.....	4,500.00	
		<hr/>
		\$19,500.00

St. George's school, French Catholic; corner Pine and Orange streets:

Building	\$30,000.00	
10,000 square feet of land.....	5,000.00	
		<hr/>
		\$35,000.00

Monastery of the Precious Blood; 555 Union street:

Building	\$2,500.00	
6,750 square feet of land.....	2,025.00	
		<hr/>
		\$4,525.00

Orphanage school, Beauport, Wayne, and Putnam streets; French Catholic:

Building	\$25,000.00	
30,000 square feet of land.....	6,000.00	
		<hr/>
		\$31,000.00

St. Augustine's academy, French Catholic; corner Beech and Spruce streets:

Building	\$8,000.00	
15,000 square feet of land.....	4,500.00	
		<hr/>
		\$12,500.00

St. Marie's parochial school, French Catholic; corner Wayne and Cartier streets:

Building	\$12,000.00	
25,000 square feet of land.....	2,000.00	
		<hr/>
		\$14,000.00

Residence priest St. Augustine's church, French Catholic; 383 Beech street:		
Building	\$6,000.00	
7,500 square feet of land.....	1,875.00	
	<hr/>	\$2,500.00
	\$7,785.00	
Orphan Children's school, parish of St. Augustine; 251, 253 Lake avenue:		
Building	\$12,000.00	
10,000 square feet of land.....	5,000.00	
	<hr/>	\$17,000.00
Holy Rosary school; 30 Cedar street:		
Building	\$8,750.00	
2,500 square feet of land.....	1,250.00	
	<hr/>	\$10,000.00
Residence priest St. Anne's church, Catholic; 231 Merrimack street:		
Building	\$5,000.00	
8,820 square feet of land.....	2,646.00	
	<hr/>	\$2,500.00
	\$7,646.00	
Residence of Catholic bishop; 145 Lowell street:		
Building	\$40,000.00	
24,000 square feet of land.....	12,000.00	
	<hr/>	\$2,500.00
	\$52,000.00	
Residence priest St. George church, French Catholic; Orange street, corner Pine:		
Building	\$2,500.00	
10,000 square feet of land.....	4,000.00	
	<hr/>	\$2,500.00
	\$6,500.00	
Residence priest St. Mary's church, French Catholic; 376 Beauport street, West Manchester:		
Building	\$2,500.00	
5,000 square feet of land.....	1,000.00	
	<hr/>	\$2,500.00
	\$3,500.00	
St. Anne's church, Catholic; Union street, corner Merrimack:		
Building	\$30,000.00	
10,180 square feet of land.....	5,090.00	
	<hr/>	\$35,090.00
St. Augustine's church, French Catholic; Beech street, corner East Spruce:		
Building	\$28,000.00	
13,000 square feet of land.....	3,250.00	
	<hr/>	\$31,250.00

St. Joseph's cathedral and chapel, Catholic; Pine street,
corner Lowell:

Building	\$70,000.00
40,000 square feet of land.....	30,375.00

\$100,375.00

St. Marie's church, French Catholic; Beauport street,
corner Wayne, West Manchester:

Building	\$25,000.00
70,000 square feet of land.....	14,000.00

\$39,000.00

St. Raphael's church and school, German Catholic; Third
street, corner Ferry, West Manchester:

Building	\$35,000.00
8,000 square feet of land.....	3,400.00

\$38,400.00

St. George's church, French Catholic; Pine street, corner
Orange:

Building	\$75,000.00
18,690 square feet of land.....	7,614.00

\$82,614.00

St. Patrick's church and school, Catholic; Kelley street,
Cartier street, and Coolidge avenue:

School building	\$20,000.00
56,281 square feet of land.....	4,502.00

\$24,502.00

St. Antoine de Padoue church, Catholic; 260 Belmont
street:

Building	\$4,000.00
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\$4,000.00

Residence priest St. Antoine de Padoue's church, Cath-
olic; 258 Belmont street:

Building	\$5,500.00
Land	4,000.00

\$2,500.00

\$9,500.00

St. Hedwidge church, Polish Catholic; Merrimack, corner
Pine street:

Building	\$3,000.00
Land	6,000.00

\$9,000.00

Residence priest St. Hedwidge church, same lot:

Building	\$4,000.00
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\$2,500.00

First Baptist church; Union street, corner Concord:

Building	\$28,000.00
11,250 square feet of land.....	6,750.00

\$34,750.00

First Freewill Baptist church; Merrimack street, corner Chestnut:		
Building	\$12,400.00	
12,600 square feet of land.....	12,600.00	
		\$25,000.00
Second Baptist church, Merrimack street, near Pine:		
Building	\$9,000.00	
9,450 square feet of land.....	3,780.00	
		\$12,780.00
People's Baptist church; Chestnut street, corner Concord:		
Building	\$8,000.00	
3,200 square feet of land.....	2,000.00	
		\$10,000.00
First Congregational church; Hanover street, corner Union:		
Building	\$30,000.00	
43,200 square feet of land.....	34,560.00	
		\$64,560.00
Second Congregational church; Market street, corner Franklin:		
Building	\$25,000.00	
19,000 square feet of land.....	19,000.00	
		\$44,000.00
Third Congregational church; South Main street, corner Milford, West Manchester:		
Building	\$8,000.00	
33,000 square feet of land.....	3,000.00	
		\$11,000.00
First M. E. church; Valley street, corner Jewett:		
Building	\$8,000.00	
11,400 square feet of land.....	1,000.00	
		\$9,000.00
St. Paul's M. E. church; Union street, corner Amherst:		
Building	\$25,000.00	
10,010 square feet of land.....	6,000.00	
		\$31,000.00
Trinity M. E. church; School street:		
Building	\$2,000.00	
12,176 square feet of land.....	3,000.00	
		\$5,000.00
St. James M. E. church; Penacook street, corner Pine:		
Building	\$9,000.00	
11,000 square feet of land.....	2,200.00	
		\$11,200.00

Grace church, Episcopal; Lowell street, corner Pine:

Building	\$20,000.00	
9,300 square feet of land.....	6,975.00	
		<hr/> \$26,975.00

First Unitarian church, Concord street, corner Beech:

Building	\$24,000.00	
13,500 square feet of land.....	6,000.00	
		<hr/> \$30,000.00

First Universalist church; Lowell street, near Elm:

Building	\$17,000.00	
10,000 square feet of land.....	15,000.00	
		<hr/> \$32,000.00

Christian church, Protestant; Hall street, corner Merrimack:

Building	\$9,000.00	
Land	1,000.00	
		<hr/> \$10,000.00

First Presbyterian church, German; Second street, corner Bath, West Manchester:

Building	\$3,000.00	
10,000 square feet of land.....	2,500.00	
		<hr/> \$5,500.00

Swedish Lutheran church, Protestant; Sagamore, corner Pine:

Building	\$7,500.00	
10,950 square feet of land.....	2,000.00	
		<hr/> \$9,500.00

Swedish Evangelical Mission; Pine street, corner Orange:

Building	\$6,500.00	
Land	4,100.00	
		<hr/> \$10,600.00

Swedish Baptist church; Arlington street, near Maple:

Building	\$5,000.00	
4,432 square feet of land.....	1,100.00	
		<hr/> \$6,100.00

Second Advent church; Amherst street, between Pine and Union:

Building	\$5,100.00	
4,500 square feet of land.....	3,375.00	
		<hr/> \$8,475.00

City Mission chapel, Protestant; Merrimack street, corner Beech:

Building	\$7,000.00	
12,600 square feet of land.....	6,000.00	
		<hr/> \$13,000.00

Westminster Presbyterian church; Brook street, corner Hazel:		
Building	\$15,000.00	
10,000 square feet of land.....	2,500.00	
		\$17,500.00
South Manchester Union chapel, Protestant; Elm street, south:		
Building	\$2,500.00	
10,747 square feet of land.....	1,000.00	
		\$3,500.00
First Church of Christ, Scientist; Harrison street, corner Albert:		
Building	\$14,000.00	
Land	5,000.00	
		\$19,000.00
Episcopal Mission church; North Main street, corner School, West Manchester:		
Building	\$3,500.00	
19,412 square feet of land.....	4,000.00	
		\$7,500.00
Residence pastor St. Paul's M. E. church; Union street, near Amherst:		
Building	\$3,000.00	
		\$2,500.00
Residence pastor First Congregational church; 590 Beech street, near Bridge:		
Building	\$5,000.00	
8,100 square feet of land.....	2,400.00	
		\$2,500.00
	\$7,400.00	
Residence pastor Grace Episcopal church; corner of Harrison and Union streets:		
Building	\$6,000.00	
15,000 square feet of land.....	3,750.00	
		\$2,500.00
	\$9,750.00	
German School Society; Third, Bath, and Ferry streets:		
Building	\$4,500.00	
10,187 square feet of land.....	2,500.00	
		\$7,000.00
Elliot Hospital, Protestant; East Manchester:		
Building	\$23,000.00	
Land	7,000.00	
		\$30,000.00
Elliot Hospital lot; Hanover street, corner Chestnut:		
Building	\$3,000.00	
Land	13,000.00	
		\$16,000.00

Elliot Hospital: '

Land and buildings, Main street.....	\$4,000.00	
Land and buildings, Quincy street.....	2,500.00	
		<u>\$6,500.00</u>

Women's Aid Home; Pearl street, corner Beech:

Building	\$15,000.00	
57,530 square feet of land.....	10,000.00	
		<u>\$25,000.00</u>

Women's Aid Home; Bridge street, corner Chestnut:

Buildings	\$9,000.00	
6,037.5 square feet of land.....	3,000.00	
		<u>\$12,000.00</u>

Manchester Children's Home; Webster street:

Building	\$20,000.00	
55,000 square feet of land.....	2,500.00	
		<u>\$22,500.00</u>

Residence pastor Swedish Lutheran church; Sagamore street, corner Pine:

Building	\$3,000.00	
10,200 square feet of land.....	1,020.00	
		<u>\$4,020.00</u>
		\$2,500.00

Gale Home:

One half Martin's block, Elm street.....	\$25,000.00	
Land and building, Pearl street, corner Ash	25,000.00	
		<u>\$50,000.00</u>

Masonic Home, Beech street:

Building	\$17,000.00	
56,700 square feet of land.....	7,500.00	
		<u>\$24,500.00</u>
One half land and buildings, 193 Pearl street	\$1,750.00	
One half land and buildings, 266 Pearl street	900.00	
One half land and buildings, 270 Pearl street	900.00	
One half land and buildings, 274 Pearl street	900.00	
One half five acres of land on North Union street	325.00	
		<u>\$4,775.00</u>

EXEMPT FROM TAXATION.

Church property, Catholic.....	\$364,231.00	
Convent property, Catholic.....	72,925.00	
Parochial residences, Catholic.....	17,500.00	
Parochial schools, Catholic.....	245,650.00	
Hospitals and other charitable institutions..	131,875.00	
		<u>\$832,181.00</u>

PROPERTY EXEMPT FROM TAXATION.

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Church property, Protestant.....	\$457,940.00	
Parochial residences, Protestant.....	10,000.00	
Private school property, Protestant.....	7,000.00	
Hospitals and other charitable institutions.,	191,275.00	
	<hr/>	\$666,215.00
Total		<hr/> \$1,498,396.00

TAXABLE.

Land and buildings, Catholic.....	\$73,521.00	
Land and buildings, Protestant.....	14,170.00	
	<hr/>	\$87,691.00
Total exempt and taxable.....		<hr/> \$1,586,087.00

STATEMENT IN RELATION TO THE BONDED DEBT OF THE CITY OF MANCHESTER, N. H.

Date of issue.	Description.	Number.	Denomina- tion.	Amount.	Total.	Date when the principal is payable.	INTEREST.		
							Rate per cent.	When payable.	When payable.
Dec. 16, 1895	Water bonds.	50	\$1,000	\$50,000	\$50,000	December 16, 1915	4	Semi-annual	At Suffolk Bank, Boston, Mass.
Oct. 1, 1884	"	50	1,000	50,000	50,000	October 1, 1914	4	"	"
Nov. 1, 1893	"	100	1,000	100,000	100,000	November 1, 1913	4 1-2	"	"
Aug. 1, 1893	"	100	1,000	100,000	100,000	August 1, 1913	5	"	"
Jan. 1, 1892	"	100	1,000	100,000	100,000	January 1, 1912	4	"	"
Jan. 1, 1897 } Refunded.	"	100	1,000	100,000	100,000	1, 1917	4	"	"
July 1, 1895 } Refunded.	"	100	1,000	100,000	100,000	July 1, 1910	4	"	"
July 1, 1895 } Refunded.	"	100	1,000	100,000	100,000	1, 1915	4	"	"
July 1, 1881	Bridge bonds.	15	100	1,500	1,500	1, 1911	4	"	At Treasurer's office, Manchester, N. H.
1, 1881	"	39	500	19,500	19,500	1, 1911	4	"	"
1, 1881	"	39	1,000	39,000	39,000	1, 1911	4	"	"
April 1, 1905	City bonds.	50	1,000	50,000	50,000	April 1, 1925	3 1-2	"	At Suffolk Bank, Boston, Mass.
1, 1907	"	50	1,000	50,000	50,000	1, 1927	4	"	"
1, 1885	"	50	1,000	50,000	50,000	1, 1909	4	"	"

STATEMENT IN RELATION TO THE BONDED DEBT OF THE CITY OF MANCHESTER N. H.—Continued.

Date of issue.	Description.	Number.	Denomina- tion.	Amount.	Total.	Date when the principal is pay- able.	INTEREST.		
							Rate per ct.	When payable.	Where payable.
April 1, 1885	City bonds.	5	\$1,000	\$5,000	\$5,000	April 1, 1911	4	Semi-annual	At Suffolk Bank, Boston, Mass.
July 1, 1893	Improv'mt bonds.	100	1,000	100,000	100,000	January 1, 1913	4	"	"
June 1, 1894	"	100	1,000	100,000	100,000	April 1, 1914	4	"	"
April 1, 1895	"	100	1,000	100,000	100,000	" 1, 1915	4	"	"
April 1, 1896	"	100	1,000	100,000	100,000	" 1, 1916	4	"	"
July 1, 1895	School bonds.	80	1,000	80,000	80,000	{ \$10,000 July 1, 1908 } { and \$10,000 annu- } { ally thereafter }	4	"	"
July 1, 1896	"	40	1,000	40,000	40,000	July 1, 1916	4	"	"
April 1, 1899	City bonds.	100	1,000	100,000	100,000	April 1, 1919	3 1-2	"	"
July 1, 1902	Municipal bonds.	80	1,000	80,000	80,000	July 1, 1922	3 1-2	"	"
				\$1,615,000					

REMARKS.—The city guarantees the perpetual care of lots in the cemeteries of the city to parties who pay \$100 and upward. There are \$50,000 in cemetery bonds, so called, not negotiable, in the hands of the city treasurer, which are not included in the \$1,725,000.

Total amount of bonded debt, including cemetery bonds	\$1,665,000.00
Net indebtedness for water purposes.....	700,000.00

Net debt after deducting water debt.....	\$965,000.00
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As shown in the assessors' books for the year 1907.

The assessed value of personal property, including poll tax	\$7,319,821.00
The assessed value of real estate.....	29,648,573.00

Total value for taxation.....	\$36,968,394.00
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Tax rate, 1.85 per cent on a hundred.

Per cent of net indebtedness (excluding debt for water purposes) to assessed valuation.....	2.61
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Per cent of net indebtedness (including debt for water purposes) to assessed valuation.....	4.50
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Population, census of 1900.....	56,987
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No issue of bonds has ever been contested.

The interest on the debt has always been promptly paid at maturity.

None of the bonds are stated specifically as being payable in gold.

None of the bonds can be called for redemption.

A sinking fund was established in 1893.

Total amount of sinking fund December 31, 1907, \$565,139.11.

The power of the city to borrow money in relation to the water-works is limited to the sum of \$600,000 by section 6, chapter 70, New Hampshire Laws of 1871, entitled "An act to enable the city of Manchester to establish water-works," except as further extended an amount of \$300,000 by laws of 1891, chapter 26; and \$200,000 by laws of 1895, chapter 172.

SUMMARY OF CITY DEBT.

Amount of debt January 1, 1907.....	\$1,775,000.00
Accrued interest on bonded debt, December 31, 1907....	24,378.00
	<hr/>
	\$1,799,378.00
Amount of bonded debt paid in 1907.....	110,000.00
	<hr/>
Total indebtedness December 31, 1907.....	\$1,689,378.00

AVAILABLE ASSETS.

Net cash on hand December 31, 1907.....	\$65,471.76
Taxes uncollected, list of 1907.....	69,356.42
Stock of Suncook Valley Railroad, estimated value.....	14,500.00
Sinking fund December 31, 1907.....	565,139.11
	<hr/>
	\$714,467.29

STATEMENT OF THE ANNUAL INTEREST CHARGE ON THE
BONDED DEBT.

Year.	Six per cent water bonds.	Four per cent water bonds.	Four and a half and five per cent water bonds.	Five per cent cementary bonds.	Six per cent to fund debt.	Four per cent to build MacGregor bridge.	Four per cent to fund debt.	Four per cent improvement bonds and 31-2 pr ct city bonds	Four per cent school bonds and Granite bridge.	Total of annual interest.
1890....	\$27,000	\$6,000	.....	\$623.75	\$7,000	\$2,400	\$6,200	.....	.....	\$49,423.75
1891....	24,000	8,000	.....	813.92	7,200	2,400	6,200	.....	.....	48,613.92
1892....	18,000	12,000	.....	1,000.00	7,200	2,400	6,200	.....	.....	46,800.00
1893 ..	18,000	12,000	.....	1,041.66	7,200	2,400	6,200	.....	.....	46,841.66
1894....	18,000	14,000	\$9,500	1,550.00	.....	2,400	6,200	\$8,000	.....	59,650.00
1895....	18,000	16,000	9,500	1,812.50	.....	2,400	6,200	12,000	\$4,800	68,712.50
1896....	12,000	20,000	,500	2,112.50	.....	2,400	6,200	16,000	14,400	82,612.50
1897....	9,000	22,000	9,500	2,500.00	.....	2,400	6,200	16,000	13,000	80,600.00
1898....	6,000	24,000	9,500	2,500.00	.....	2,400	6,200	16,000	13,000	79,000.00
1899....	6,000	24,000	9,500	2,500.00	.....	2,400	6,200	19,500	11,400	81,500.00
1900....	6,000	24,000	9,500	2,500.00	.....	2,400	6,200	19,500	10,520	80,620.00
1901....	6,000	24,000	9,500	2,500.00	.....	2,400	6,200	19,500	8,800	78,900.00
1902....	3,000	24,000	9,500	2,500.00	.....	2,400	6,200	20,850	8,200	76,650.00
1903....	.....	24,000	9,500	2,500.00	.....	2,400	6,200	22,300	6,400	73,300.00
1904....	.....	24,000	9,500	2,500.00	.....	2,400	6,200	22,300	6,000	72,900.00
1905....	.....	24,000	9,500	2,500.00	.....	2,400	4,200	24,050	5,600	72,250.00
1906....	.....	24,000	9,500	2,500.00	.....	2,400	4,200	24,050	5,200	71,850.00
1907....	.....	20,000	,500	2,500.00	.....	2,400	4,200	24,050	4 800	67,450.00

Valuation of Real Estate Owned by the City.

High school, Beech street, corner Lowell:		
Building	\$170,000.00	
59,400 square feet of land.....	17,820.00	
		\$187,820.00
Franklin-street school, Franklin street, corner Pleasant:		
Building	\$16,000.00	
19,200 square feet of land.....	19,200.00	
		\$35,200.00
Spring-street school, Spring street:		
Building	\$13,000.00	
13,600 square feet of land.....	13,600.00	
		\$26,600.00
Lincoln-street school, Lincoln street, corner Merrimack:		
Building	\$45,000.00	
40,000 square feet of land.....	8,000.00	
		\$53,000.00
Ash-street school, Ash street, corner Bridge:		
Building	\$50,000.00	
57,537 square feet of land.....	17,262.00	
		\$67,262.00
Main-street school, North Main street, West Manchester:		
Building	\$6,000.00	
40,293.4 square feet of land.....	10,073.00	
		\$16,073.00
Webster-street school, Webster street:		
Building	\$39,000.00	
55,714¾ square feet of land.....	13,928.00	
		\$52,928.00
Blodget-street school, Blodget street:		
Building	\$1,500.00	
9,000 square feet of land.....	3,600.00	
		\$5,100.00
Lowell-street school, Lowell street, corner Chestnut:		
Building	\$1,000.00	
9,000 square feet of land.....	9,000.00	
		\$10,000.00
Merrimack-street school, Merrimack street, corner Union:		
Building	\$15,000.00	
12,600 square feet of land.....	6,300.00	
		\$21,300.00
Parker school, South Main street, West Manchester:		
Building	\$20,000.00	
13,650 square feet of land.....	2,047.00	
		\$22,047.00

VALUATION OF REAL ESTATE OWNED BY THE CITY. 159

Bakersville school, Elm street, south:		
Building	\$10,000.00	
24,184 square feet of land.....	3,628.00	
		\$13,628.00
Stark District school, River road, north:		
Building	\$1,000.00	
43,560 square feet of land.....	100.00	
		\$1,100.00
Amoskeag school, Front street, Amoskeag:		
Building	\$8,000.00	
6,000 square feet of land.....	1,000.00	
		\$9,000.00
Rimmon school, corner Amory and Dubuque streets:		
Building	\$17,400.00	
16,600 square feet of land.....	2,490.00	
		\$19,890.00
Goffe's Falls school, Goffe's Falls:		
Building	\$11,000.00	
47,916 square feet of land.....	250.00	
		\$11,250.00
Harvey District school, Nutt road:		
Building	\$2,000.00	
21,780 square feet of land.....	100.00	
		\$2,100.00
Webster Mills school, Webster Mills:		
Building	\$400.00	
5,445 square feet of land.....	100.00	
		\$500.00
Old Hallsville school, East Manchester:		
Building	\$500.00	
30,075 square feet of land.....	3,008.00	
		\$3,508.00
Youngsville school, Youngsville:		
Building	\$500.00	
51,228 square feet of land.....	100.00	
		\$600.00
Mosquito Pond school, Mosquito Pond:		
Building	\$400.00	
10,890 square feet of land.....	100.00	
		\$500.00
Pearl-street school:		
Building	\$18,700.00	
Land	3,200.00	
		\$21,900.00
Varney school, Bowman street, corner Mast, West Manchester:		
Building	\$43,750.00	
Land	6,700.00	
		\$50,450.00

New Hallsville school, Jewett street, corner Young, East Manchester:

Building	\$29,800.00	
44,000 square feet of land.....	3,300.00	
		<u>\$33,100.00</u>

Straw school, Chestnut street, corner Harrison:

Building	\$30,000.00	
32,400 square feet of land.....	16,200.00	
		<u>\$46,200.00</u>

New Wilson school, Wilson, Cedar, and Auburn streets:

Building	\$30,000.00	
40,000 square feet of land.....	5,000.00	
		<u>\$35,000.00</u>

South Manchester school, Titus avenue:

Building	\$12,000.00	
48,400 square feet of land.....	1,000.00	
		<u>\$13,000.00</u>

Chandler school, Concord street, corner Ashland:

Building	\$37,300.00	
23,239 square feet of land.....	4,675.00	
		<u>\$41,975.00</u>

\$801,031.00

ENGINE-HOUSES.

Engine-house and stable, Central Station, Vine street:

Building	\$31,800.00	
21,718.86 square feet of land.....	25,438.00	
		<u>\$57,238.00</u>

North Main-street engine-house, North Main street, West Manchester:

Building	\$18,000.00	
11,819 square feet of land.....	2,955.00	
		<u>\$20,955.00</u>

Webster-street engine-house, Webster street, corner Chestnut:

Building	\$12,000.00	
8,510 square feet of land.....	2,180.00	
		<u>\$14,180.00</u>

Merrimack engine-house, Lake avenue:

Building	\$15,000.00	
10,000 square feet of land.....	3,000.00	
		<u>\$18,000.00</u>

Hosehouse and cottage, Maple street, corner East High:

Building	\$3,000.00	
18,330 square feet of land.....	3,666.00	
		<u>\$6,666.00</u>

VALUATION OF REAL ESTATE OWNED BY THE CITY. 161

Engine-house and wardroom, ward 9, Rimmon and Amory streets, West Manchester:		
Building	\$22,755.00	
6,000 square feet of land.....	870.00	
		\$23,625.00
South Manchester Hosehouse:		
Building	\$4,200.00	
4,278 square feet of land.....	684.00	
		\$4,884.00
Engine-house, Concord street, corner Weston:		
Building	\$6,800.00	
15,000 square feet of land.....	1,000.00	
		\$7,800.00
Hosehouse and wardroom, Somerville street:		
Building	\$15,000.00	
10,527.75 square feet of land.....	950.00	
		\$15,950.00
		<hr/>
		\$169,298.48

OTHER PUBLIC BUILDINGS AND LOTS.

City Library, Dean avenue, corner Franklin street:		
Building	\$35,000.00	
15,000 square feet of land.....	30,000.00	
		\$65,000.00
City Hall, Elm street, corner Market:		
Building	\$20,000.00	
100,000 square feet of land.....	150,000.00	
		\$170,000.00
City farm, Mammoth road:		
Building	\$5,000.00	
40.27 acres, west Mammoth road.....	40,270.00	
81.55 acres, east Mammoth road.....	65,240.00	
		\$110,510.00
Court house, Franklin street, corner West Merrimack:		
Building	\$20,000.00	
19,000 square feet of land.....	57,000.00	
		\$77,000.00
Battery building, Manchester street:		
Building	\$13,000.00	
3,400 square feet of land.....	5,100.00	
		\$18,100.00
Police station, Manchester street, corner Chestnut:		
Building	\$40,000.00	
7,500 square feet of land.....	15,000.00	
		\$55,000.00

Slayton Lot, Manchester street:

Police patrol stable.....	\$4,000.00	
Building	300.00	
2,908 square feet of land.....	4,700.00	
		<u>\$9,000.00</u>

City stable and other buildings, Franklin street:

Building	\$15,950.00	
44,656 square feet of land.....	89,312.00	
		<u>\$105,262.00</u>

Police station, Clinton street, West Manchester:

Building	\$3,500.00	
3,790 square feet of land.....	1,000.00	
		<u>\$4,500.00</u>

Ward 5 wardroom, Lake avenue:

Building	\$4,500.00	
Land	1,000.00	
		<u>\$5,500.00</u>

City stable, district No. 10..... \$1,200.00

City scales, Franklin street:

Building	\$300.00
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Gravel lots, Goffstown:

2 acres	\$400.00
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Gravel lot, Youngsville:

1 acre	\$500.00
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Gravel lot, East Manchester..... \$800.00

\$623,072.00

Personal Property Owned by the City.

Property in care city engineer.....	\$1,350.00
in care chief engineer fire department.....	139,560.50
in care street and park commission.....	32,336.67
in care superintendent of schools.....	37,049.00
in care of city messenger.....	3,000.00
in care of chief of police and janitor.....	7,250.00
in care trustees city library.....	30,000.00
in care superintendent of Pine Grove cemetery	2,246.87
in care superintendent of Valley cemetery..	437.80
Stock in Suncook Valley Railroad, in care of city treasurer	30,000.00
Personal property in care city weigher.....	1,000.00

\$304,230.84

Uncollected taxes in 1907..... 69,356.42

Net cash in treasury, December 31, 1907..... 65,471.76

\$134,828.18

Other Real and Personal Estate Owned by the City.

Soldiers' monument	\$25,000.00
Amoskeag bridge over Merrimack river.....	25,000.00
Fountains and water-troughs on streets and commons..	3,600.00
City tomb	10,000.00
McGregor bridge	90,000.00
Granite bridge	130,000.00
South Main-street bridge, over Piscataquog river.....	28,450.00
Second-street bridge, over Piscataquog river.....	52,036.00
Granite-street bridge, over B. & M. R. R.....	6,000.00
Print-Works bridge, on Granite, over lower canal.....	10,000.00
Two bridges in highway district No. 9.....	2,000.00
One bridge at Goffe's Falls.....	3,500.00
Expended on construction of sewers.....	825,150.00
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	\$1,210,736.00

PARKS AND CEMETERIES.

Valley cemetery, 19.7 acres.....	\$200,000.00
Pine Grove cemetery, Ursula chapel.....	16,000.00
Pine Grove cemetery, about 96 acres.....	46,700.00
Amoskeag cemetery, 1.23 acres.....	4,340.00
Stark park, 28 acres.....	9,000.00
Derryfield park, 76 acres.....	25,000.00
Concord common, 4.48 acres.....	200,000.00
Tremont common, 2.25 acres.....	40,000.00
Hanover common, 3 acres.....	100,000.00
Park common, 3.49 acres.....	60,000.00
Merrimack common, 5.89 acres.....	200,000.00
Wagner's park, 9.85 acres.....	12,000.00
Land on Piscataquog river.....	3,500.00
Lafayette park, 90,500 square feet.....	13,500.00
Prout park, 5.73 acres.....	15,000.00
East Side park, 19,306.46 square feet.....	4,000.00
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	\$949,040.00

WATER-WORKS.

Real estate and personal property of water-works, at cost price	\$1,894,159.00
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RECAPITULATION.

Real estate owned by the city, schoolhouses.....	\$801,031.00
Real estate owned by city.....	623,072.00
Real estate owned by city, engine-houses.....	169,298.48
Water-works at cost price.....	1,894,159.00

Personal property owned by the city.....	\$304,230.84
Uncollected taxes and cash.....	134,828.18
Other real and personal property.....	1,210,736.00
Parks and cemeteries.....	949,040.00

\$6,086,395.50

PROPERTY ACCOUNT.

Inventory of assets, December 31, 1907.....	\$6,086,395.50
Inventory of assets, December 31, 1906.....	6,018,236.25

Gain in valuation \$68,159.25

Auditor's Office.

City hall building. Open from 9 to 12 A. M., 1.30 to 5 P. M.

In every bill presented to the city auditor for his approval, the following points will be considered and passed upon:

1. Is the subject matter of the bill under examination within the scope of the powers conferred by the legislature on the city government?

2. Is the bill certified by the party legally authorized to make the contract, or cause the expenditure to be made?

3. Has any appropriation been made to meet the expenditure, and is there a balance unexpended sufficient to pay this bill?

4. Are the number of articles in the bill, or the measurements, either of dimensions, quantities or weights, correctly and fully stated, and is the proof of the delivery to the city of the whole amount charged sufficient?

5. Is the price charged a fair market price, or is it so largely in excess as to require the attention of the city councils to be called to the same?

6. Is the bill written in a fair, legible hand, correctly cast, and on paper of sufficient length and width to admit of its proper backing and filing?

7. If the bill is in part payment of a contract, the date and the total amount of the contract, the amount already paid, the amount of the work not yet completed, and the per cent retained, if any, should be stated in the bill.

8. Any other inquiries in matters of law and fact which affect the question of indebtedness before the auditor.

9. Approval, rejection or suspension for further information or correction as the circumstances of each case may require.

GAS LIGHTS, OIL LAMPS, AND ELEC-
TRIC LIGHTS.

GAS LIGHTS, OIL LAMPS, AND ELECTRIC LIGHTS.

List of Electric Lights Used by the City of Manchester.

No.	1. A street, opposite No. 73,	arm.
	2. A and South Main,	"
	3. Adams and Cartier,	"
	4. Amherst and Elm,	"
	5. Amherst and Vine,	"
	6. Amherst and Chestnut,	"
	7. Amherst and Pine,	"
	8. Amherst, opposite Y. M. C. A. building,	"
	9. Amherst and Union,	"
	10. Amherst and Beech,	"
	11. Amherst and Ash,	"
	12. Amherst and Maple,	"
	13. Amherst and Dutton,	"
	14. Amherst and Lincoln,	"
	15. Amherst and Ashland,	"
	16. Amherst and Hall,	"
	17. Amory and Morgan,	"
	18. Amory and Essex,	"
	19. Amory and Alsace,	"
	20. Amory, near Montgomery,	"
	21. Amory and Amory street extension,	"
	22. Amory and Rimmon,	pole.
	23. Amory and Dubuque,	"
	24. Amory and Beauport,	"
	25. Amory and Main,	"
	26. Amoskeag bridge, west,	"
	27. Amoskeag bridge, east,	"
	28. Amoskeag and Front,	"
	29. Appleton and Elm,	arm.
	30. Appleton and North Adams,	pole.
	31. Appleton and Union,	arm.
	32. Arlington and Russell,	"
	33. Arlington and Warren,	"
	34. Arlington and Ashland,	"
	35. Auburn and Elm,	"

No.	36.	Auburn and Chestnut,	arm.
	37.	Auburn and Pine,	"
	38.	Auburn and Union,	pole.
	39.	Auburn and Beech,	"
	40.	Auburn and Maple,	"
	41.	Auburn and Lincoln,	arm.
	42.	Auburn and Wilson,	"
	43.	Auburn and Canton,	"
	44.	Auger avenue and Nutt road,	"
	45.	Baker and Brown avenue,	"
	46.	Baker and Elm,	"
	47.	Baker and Calef road,	"
	48.	Bath and Second,	pole.
	49.	Beech and Portsmouth Railroad,	arm.
	50.	Beech and Lawrence Railroad,	"
	51.	Bell and Wentworth,	"
	52.	Bismark and Sylvester,	pole.
	53.	Blaine and Main,	arm.
	54.	Blaine and Third,	"
	55.	Blaine and Second,	"
	56.	Blodget and Elm east back,	"
	57.	Blodget and Pine,	"
	58.	Blodget and Union,	"
	59.	Blodget and Walnut,	"
	60.	Blodget and Beech,	"
	61.	Blodget and Ash,	"
	62.	Blodget and Oak,	"
	63.	Blodget and Russell,	"
	64.	Bow and Bartlett,	"
	65.	Boynton street, opposite No. 135,	"
	66.	Bowman place and Tilton,	"
	67.	Bowman street, opposite No. 172,	"
	68.	Bremer and Dubuque,	"
	69.	Bridge and McGregor,	"
	70.	Bridge and Canal,	"
	71.	Bridge and Elm,	"
	72.	Bridge and Birch,	"
	73.	Bridge and Chestnut,	"
	74.	Bridge and Pine,	"
	75.	Bridge and Union,	"
	76.	Bridge and Walnut,	"
	77.	Bridge and Beech,	"
	78.	Bridge and Ash,	"
	79.	Bridge and Maple,	"
	80.	Bridge and Nashua,	"
	81.	Bridge and Malvern,	"

No.	82. Bridge and Linden,	arm.
	83. Bridge and Hall,	"
	84. Bridge and Belmont,	"
	85. Bridge and Weston,	"
	86. Bridge and Highland,	"
	87. Bridge and Mammoth road,	"
	88. Brown avenue and Elm,	"
	89. Brown avenue, opposite No. 445,	"
	90. Brook and Elm,	
	91. Brook and Chestnut,	"
	92. Brook and Pine,	"
	93. Brook and Hazel,	pole.
	94. Brook and Union,	arm.
	95. Brook and Walnut,	"
	96. Brook and Beech,	"
	97. Brook and Maple,	pole.
	98. C and B,	"
	99. Campbell and Union,	arm.
	100. Candia road and Mammoth road,	"
	101. Carpenter and Elm,	"
	102. Carpenter and Chestnut,	"
	103. Carpenter and Union,	"
	104. Cedar and Canal,	"
	105. Cedar and Franklin,	pole.
	106. Cedar and Elm,	arm.
	107. Cedar and Chestnut,	"
	108. Cedar and Pine,	"
	109. Cedar and Union,	"
	110. Cedar and Beech,	"
	111. Cedar and Maple,	"
	112. Cedar and Lincoln,	"
	113. Central and Bedford,	"
	114. Central street, opposite No. 74,	pole.
	115. Central and Franklin,	arm.
	116. Central and Elm,	"
	117. Central and Chestnut,	"
	118. Central and Pine,	"
	119. Central and Union,	"
	120. Central and Beech,	"
	121. Central and Maple,	"
	122. Central and Lincoln,	"
	123. Central and Wilson,	"
	124. Central and Hall,	"
	125. Central street, opposite No. 536,	"
	126. Charles street,	"
	127. Charleston avenue and Carroll,	"

No. 128.	Chestnut street, opposite No. 855,	arm.
129.	Clarke and River road,	"
130.	Clarke and Elm,	"
131.	Clarke and North Adams,	"
132.	Clarke and Union,	"
133.	Clinton and Dover,	"
134.	Conant and Montgomery,	"
135.	Conant and Rimmon,	pole.
136.	Conant and Beauport,	arm.
137.	Concord and Vine,	"
138.	Concord and Chestnut,	"
139.	Concord and Pine,	"
140.	Concord and Union,	"
141.	Concord and Walnut,	"
142.	Concord and Beech,	"
143.	Concord and Ash,	"
144.	Concord and Maple,	"
145.	Concord and Dutton,	"
146.	Concord and Derry,	"
147.	Concord and Ashland,	"
148.	Concord and Hall,	"
149.	Concord common, west,	pole.
150.	Concord common, east,	"
151.	Coolidge avenue and Beauport,	arm.
152.	Coolidge avenue, near Kelley,	"
153.	Coolidge avenue and Cartier,	"
154.	Dean and Canal,	"
155.	Dean and Elm,	"
156.	Dean avenue and Hampshire lane,	pole.
157.	Dearborn and Taylor,	arm.
158.	Depot and Canal,	pole.
159.	Depot and Franklin,	arm.
160.	Derryfield park,	"
161.	Donald street, near cemetery,	"
162.	Douglas and railroad,	pole.
163.	Douglas and Barr,	arm.
164.	Douglas and West,	pole.
165.	Douglas and Main,	arm.
166.	Dunbarton road and Front,	"
167.	East High and Nashua,	"
168.	East High and South,	"
169.	East High and Malvern,	"
170.	East High and Ashland,	"
171.	East High and Hall,	"
172.	East High and Buzzell,	"
173.	Spruce and Chestnut west back,	"

No. 174.	East Spruce and Barry avenue,	arm.
175.	East Spruce and Union,	"
176.	East Spruce and Beech,	"
177.	East Spruce and Maple,	"
178.	East Spruce and Lincoln,	"
179.	East Spruce and Wilson,	"
180.	East Spruce and Hall,	"
181.	East Spruce and Massabesic,	pole.
182.	East Spruce and Old Falls road,	arm.
183.	East Spruce and Beacon,	"
184.	Elm street, opposite No. 1966,	"
185.	Elm, below railway bridge,	"
186.	Elm and railway bridge,	pole.
187.	Elm avenue and Elm,	arm.
188.	Ferry and Main,	"
189.	Ferry and Third,	"
190.	Ferry and Turner,	pole.
191.	Front street, opposite No. 367,	"
192.	Gates and Dubuque,	"
193.	Goffstown road and Front,	"
194.	Goffstown road and Omega,	arm.
195.	Grove and Pine,	"
196.	Grove and Union,	"
197.	Grove and Beech,	"
198.	Grove and Belmont,	"
199.	Granite and Green,	"
200.	Granite and West,	"
201.	Granite and Main,	"
202.	Granite and Second,	"
203.	Granite bridge west,	pole.
204.	Granite bridge, center,	"
205.	Granite bridge, east,	"
206.	Granite and State,	arm.
207.	Granite and Bedford,	"
208.	Granite and Canal,	pole.
209.	Granite and Franklin,	"
210.	Green and Elm,	"
211.	Green and Pine,	"
212.	Green and Union,	"
213.	Green and Beech,	"
214.	Grant and Boynton,	"
215.	Hancock and Brown avenue,	"
216.	Hanover common,	"
217.	Hanover and Nutfield lane,	arm.
218.	Hanover and Chestnut,	"
219.	Hanover and Pine,	"

No. 220.	Hanover and Union,	arm.
221.	Hanover and Beech,	"
222.	Hanover and Maple,	"
223.	Hanover and Lincoln,	"
224.	Hanover and Ashland,	"
225.	Hanover and Hall,	"
226.	Hanover and Belmont,	"
227.	Hanover and Beacon,	"
228.	Hanover and Alfred,	"
229.	Hanover and Highland,	pole.
230.	Hanover and Grant,	arm.
231.	Hanover and Lake avenue,	pole.
232.	Hanover and Page,	arm.
233.	Harrison and Elm,	"
234.	Harrison and Chestnut,	"
235.	Harrison and Pine,	"
236.	Harrison and Hazel,	"
237.	Harrison and Union,	"
238.	Harrison and Walnut,	"
239.	Harrison and Beech,	"
240.	Harrison and Ash,	"
241.	Harrison and Maple,	"
242.	Harrison and Oak,	"
243.	Harrison and Russell,	"
244.	Harrison street, opposite No. 329,	"
245.	Harvell and South Main,	"
246.	Hayward and Beech,	"
247.	Hayward and Cypress,	pole.
248.	Hayward and Riley avenue,	arm.
249.	High and Chestnut,	"
250.	High and Pine,	"
251.	High and Union,	"
252.	Hollis and Canal,	"
253.	Hollis, below Elm west back,	"
254.	Hospital avenue and Massabesic,	pole.
255.	Kelley and Rimmon,	arm.
256.	Kelley and Cartier,	pole.
257.	Kelley and Alsace,	arm.
258.	Kidder and Boyden,	pole.
259.	Kidder and Whitney,	"
260.	Kidder and Elm,	"
261.	Lake avenue and Elm,	"
262.	Lake avenue and Chestnut,	"
263.	Lake avenue and Pine,	"
264.	Lake avenue and Union,	"
265.	Lake avenue and Beech,	"

No. 266.	Lake avenue and Maple,	pole.
267.	Lake avenue and Lincoln,	"
268.	Lake avenue and Wilson,	"
269.	Lake avenue and Massabesic,	"
270.	Lake avenue and Belmont,	arm.
271.	Lake avenue and Beacon,	"
272.	Lake avenue, opposite No. 529,	"
273.	Lake avenue and Cass,	pole.
274.	Lake avenue and Canton,	"
275.	Lake avenue and J. Hall road,	"
276.	Langdon and Canal,	arm.
277.	Langdon and Elm west back,	pole.
278.	Laurel and Laurel avenue,	arm.
279.	Laurel and Pine,	"
280.	Laurel and Union,	"
281.	Laurel and Beech,	"
282.	Laurel and Maple,	"
283.	Laurel and Lincoln,	"
284.	Laurel and Wilson,	"
285.	Laurel and Hall,	"
286.	Laurel and Belmont,	"
287.	Laurel and Milton,	"
288.	Laurel and Beacon,	"
289.	Laurel and Cass,	"
290.	Liberty street, opposite No. 93,	"
291.	Lowell, south back and Nutfield lane,	"
292.	Lowell and Elm,	"
293.	Lowell and Birch,	"
294.	Lowell and Chestnut,	"
295.	Lowell and Pine,	"
296.	Lowell and Union,	"
297.	Lowell and Walnut,	"
298.	Lowell and Beech,	"
299.	Lowell and Ash,	"
300.	Lowell and Nashua,	"
301.	Lowell and Malvern,	"
302.	Lowell and Ashland,	"
303.	Lowell and Hall,	"
304.	Lowell and Belmont,	"
305.	Manchester and Elm,	"
306.	Manchester and Chestnut,	"
307.	Manchester and Pine,	"
308.	Manchester and Union,	"
309.	Manchester and Beech,	"
310.	Manchester and Maple,	"
311.	Manchester and Lincoln,	"

No. 312.	Manchester and Wilson,	arm.
313.	Manchester and Hall,	"
314.	Manchester and Milton,	pole.
315.	Market and Canal,	arm.
316.	Market and Franklin,	"
317.	Market and Elm,	"
318.	Marion and Main,	pole.
319.	Marion and McGregor,	arm.
320.	Massabesic and Belmont,	pole.
321.	Massabesic and Old Falls road,	"
322.	Massabesic and Cypress,	arm.
323.	Massabesic, north of Valley,	"
324.	Massabesic and J. Hall road,	"
325.	Mast and Main,	pole.
326.	Mast and Bowman,	arm.
327.	Mast and Riddle,	pole.
328.	Mast and New Mast road,	arm.
329.	Mast and Forrest,	"
330.	McGregor and Main,	"
331.	McGregor bridge, west,	pole.
332.	McGregor bridge, east,	"
333.	McDuffie and Huntress,	arm.
334.	Meade and Hall,	"
335.	Mechanic and Canal,	"
336.	Mechanic and Hampshire lane,	"
337.	Merrimack and Canal,	"
338.	Merrimack and Franklin back street,	"
339.	Merrimack and Franklin,	"
340.	Merrimack and Elm,	"
341.	Merrimack and Chestnut,	"
342.	Merrimack and Pine,	"
343.	Merrimack and Union,	"
344.	Merrimack and Beech,	"
345.	Merrimack and Maple,	"
346.	Merrimack and Lincoln,	"
347.	Merrimack and Wilson,	"
348.	Merrimack and Hall,	"
349.	Merrimack and Belmont,	"
350.	Merrimack and Beacon,	"
351.	Merrimack street, opposite No. 532,	"
352.	Merrimack common, west,	pole.
353.	Merrimack common, east,	"
354.	Merrimack south back and Union,	arm.
355.	Middle and Canal,	"
356.	Middle and Franklin west back,	"
357.	Milford and Carroll,	"

No. 358.	Milford and Riddle,	arm.
359.	Milford and Main,	"
360.	Mitchell and Beech,	"
361.	Monmouth and McGregor back street,	pole.
362.	Munroe and River road,	arm.
363.	Myrtle and Elm, east back,	"
364.	Myrtle and Chestnut,	"
365.	Myrtle and Pine,	"
366.	Myrtle and Union,	"
367.	Myrtle and Walnut,	"
368.	Myrtle and Beech,	"
369.	Myrtle and Maple,	"
370.	Myrtle and Russell,	"
371.	Myrtle street, opposite No. 350,	"
372.	Nelson and Mammoth road,	"
373.	New Mast road and D,	"
374.	New Mast road and Wilkins,	pole.
375.	North and River road,	arm.
376.	North and Elm,	"
377.	North and Bay,	"
378.	North and Chestnut,	"
379.	North and Pine,	pole.
380.	North and Union,	arm.
381.	North and Walnut,	"
382.	North and Beech,	"
383.	North Main street in Eddy,	pole.
384.	North Adams street, opposite No. 63,	arm.
385.	Nutfield lane, rear Central Fire Station,	"
386.	Nutt road and Beech,	"
387.	Nutt road and Portsmouth railroad,	pole.
388.	Nutt road and Willow,	arm.
389.	Orange and Elm,	"
390.	Orange and Pine,	"
391.	Orange and Union,	"
392.	Orange and Ash,	"
393.	Orange and Maple,	"
394.	Orange and Oak,	"
395.	Orange and Russell,	"
396.	Orange and Linden,	"
397.	Orange and Hall,	"
398.	Page and Portsmouth railroad,	"
399.	Park common,	pole.
400.	Parker and West,	arm.
401.	Pearl and Nutfield lane,	"
402.	Pearl and Chestnut,	"
403.	Pearl and Pine,	"

No. 404.	Pearl and Union,	arm.
405.	Pearl and Beech,	"
406.	Pearl and Oak,	"
407.	Pearl and Russell,	"
408.	Pearl and Linden,	"
409.	Pearl and Morrison,	pole.
410.	Pearl and Belmont,	arm.
411.	Pennacook and Canal,	pole.
412.	Pennacook and Elm,	arm.
413.	Pennacook and Chestnut,	pole.
414.	Pennacook and Pine,	arm.
415.	Pennacook and Union,	"
416.	Pleasant and Franklin,	"
417.	Pleasant and Elm,	"
418.	Prescott and Wilson,	"
419.	Prince and Boynton,	"
420.	Prince and B,	"
421.	Prospect and Elm east back,	"
422.	Prospect and Chestnut,	"
423.	Prospect and Pine,	"
424.	Prospect and Union,	"
425.	Prospect and Beech,	"
426.	Prospect and Ash,	"
427.	Prospect and Oak,	"
428.	Prospect and Linden,	"
429.	Prospect and Hall,	"
430.	Putnam and Bartlett,	pole.
431.	Putnam and Cartier,	arm.
432.	Putnam and Main,	"
433.	Rowell and River road,	"
434.	Rimmon street, opposite No. 322,	pole.
435.	River road and Otis,	arm.
436.	River road and Stark park,	"
437.	Rockland avenue and Wilkins,	"
438.	Rockland avenue and Goffstown line,	pole.
439.	Sagamore and Elm,	arm.
440.	Sagamore and Pine,	"
441.	Sagamore and Walnut,	"
442.	Sagamore and Maple,	"
443.	Sagamore and Russell,	"
444.	Salmon and Canal,	"
445.	Salmon and Elm,	"
446.	Salmon and Bay,	"
447.	Salmon and Chestnut,	pole.
448.	Salmon and Pine,	"
449.	Salmon and Union,	"

No. 450.	Salmon and Beech,	arm.
451.	School and Third,	"
452.	School and Turner,	"
453.	Schiller and Second,	"
454.	Schuyler and Main,	pole.
455.	Shasta and Elm,	arm.
456.	Silver and Union,	"
457.	Silver and Beech,	"
458.	Silver and Lincoln,	"
459.	Silver and Wilson,	"
460.	Silver and Belmont,	"
461.	Somerville and Hall,	"
462.	Somerville and Taylor,	"
463.	Somerville and Cypress,	"
464.	Somerville and Jewett,	"
465.	South Main street, opposite No. 520,	"
466.	Spruce and Elm,	"
467.	Spruce, south back, and Manhattan Lane,	pole.
468.	Spring and Canal,	arm.
469.	Spring and Hampshire lane,	"
470.	Stark and Canal,	"
471.	Stark street, opposite No. 22,	"
472.	State, east back and private way,	"
473.	State, north Granite,	"
474.	State, south Granite,	"
475.	Sullivan and Thornton,	"
476.	Sullivan and Beauport,	pole.
477.	Sullivan and Main,	"
478.	Summer and State,	arm.
479.	Summer and Pine,	"
480.	Summer and Union,	"
481.	Summer and Hall,	"
482.	Summer and Dearborn,	"
483.	Summer and Belmont,	"
484.	Thayer and Elm,	"
485.	Titus avenue and Beech,	"
486.	Tremont common,	pole.
487.	Trenton and Union,	arm.
488.	Valley and Elm,	"
489.	Valley and Pine,	pole.
490.	Valley and Union,	arm.
491.	Valley and Wilson,	"
492.	Valley and Belmont,	"
493.	Valley and Taylor,	"
494.	Valley and Cypress,	"
495.	Valley and Jewett,	"

No. 496.	Vinton and Taylor,	arm.
497.	Walker and Main,	"
498.	Walker and Fourth,	"
499.	Walker and Third,	"
500.	Walker and Second,	"
501.	Walker and Turner,	pole.
502.	Washington and Church,	arm.
503.	Water street, opposite No. 22,	"
504.	Water and Elm,	"
505.	Wayne and Dubuque,	pole.
506.	Wayne and Beauport,	"
507.	Wayne and Main,	arm.
508.	Wayne and McGregor,	pole.
509.	Webster and River road,	"
510.	Webster and Elm,	arm.
511.	Webster and Chestnut,	"
512.	Webster and Pine,	"
513.	Webster and Walnut,	pole.
514.	Webster and Beech,	arm.
515.	Welch avenue and Calef road,	pole.
516.	West Hancock and South Main,	arm.
517.	West Hancock and Dartmouth,	"
518.	West Hancock and Second,	pole.
519.	West Hancock and Wentworth,	arm.
520.	Whitford and Union,	"
521.	Wilton and Main,	"
522.	Winter and Parker,	"
523.	Winter street, opposite No. 62,	"
524.	Winter place and Elm west back,	"
525.	Young and Taylor,	"
526.	Young and Ainsworth avenue,	"
527.	Young and Mammoth road,	"
528.	Lake avenue and Kenney,	"
529.	Appleton and Chestnut,	"
530.	Sagamore and Beech,	"
531.	Cartier, 50 feet south of Wayne,	"
532.	Opposite 893 Hanover,	"
533.	Amherst and Milton,	"
534.	Pearl and Walnut,	"
535.	Sagamore and Smyth road,	"
536.	Valley and Hall,	"
537.	East High and Beacon,	"
538.	Concord and Weston,	"
539.	South Main and Erie,	"
540.	Mammoth road near Isolation hospital,	"
541.	Valley and Beech,	"

No. 542.	Bridge and Arkwright,	arm.
543.	Ray, between Clarke and Appleton,	"
544.	Amoskeag and First,	"
545.	Green and Wilson,	"
546.	Pearl and Ash,	"
547.	Trenton and Elm,	"
548.	Blucher and Montgomery,	"
549.	Byron and Josselyn,	"
550.	Front street and Stearns lane,	"
551.	Lincoln and Portsmouth railroad,	"
552.	Spruce & Canton,	"
553.	Central & Milton,	"
554.	Brown avenue and Westland avenue,	"
555.	Old Bridge and Mammoth road,	"
556.	Adams street and Notre Dame avenue,	"
557.	Granite south back street near Canal street,	"
558.	Titus avenue, Highland school,	pole.
559.	Mystic avenue and Union street,	"
560.	Pine and Silver,	arm.
561.	Cypress and East Spruce,	"
562.	Kelley and Hevey,	"
563.	J. Hall road and Portsmouth railroad,	"
564.	Pleasant and Franklin west back,	"
565.	Elm west back, between Kidder and Hollis,	"
566.	Milford and Donald,	"
567.	Taylor and Dix,	"
568.	Candia road and Woodbine avenue,	"
569.	Harvard and Wilson,	"
570.	Brooklyn avenue, between Jewett and Cypress,	pole.
571.	Wayne and Thornton,	arm.
572.	Coolidge avenue and North Bremer street,	"
573.	East Spruce and Kenney,	"
574.	Park avenue and Crown street,	"
575.	Goffstown road and Taggart street,	"
576.	South Beech near Gold street,	"
577.	Prospect and Russell,	"
578.	Myrtle and Linden,	"
579.	Cilley road and Taylor street,	"
580.	Auburn and Hall.	"
581.	Amherst and Hubbard,	"
582.	Putnam west of Rimmon,	pole.
583.	Lake avenue and Mammoth road,	arm.
584.	Salmon and Walnut,	"

Naphtha Lights in Use.

HARVEY DISTRICT.

- 1 Harvey's.
- 1 Marshall's.
- 1 Corner Merrill road and Nutt road.
- 1 Corner Derry road and Harvey road.
- 1 Corner Harvey road and Mill road.
- 1 Corner Harvey road and South road.
- 1 Dickey's.

Total, 7 lights.

GOFFE'S FALLS.

- 1 On Derry hill.
- 1 Foot of Derry hill.
- 1 Melrose's.
- 1 Fox's.
- 1 Mill gate.
- 1 Nettle's corner.
- 1 King's, on Mill street.
- 1 Caldwell's, on Mill street.
- 1 Nettle's house, Brown avenue.
- 1 Lurvey's, Brown avenue.
- 1 Kimball's, Brown avenue.
- 1 Walker's, Brown avenue.
- 1 Cemetery, Brown avenue.
- 1 Park, Brown avenue.
- 1 Kellaher's, Brown avenue.
- 2 Depot street.

Total, 17 lights.

CITY PROPER.

- 2 Calef road.
- 1 Calef road, at Miss Burns'.
- 1 Calef road and Mitchell street.
- 1 Calef road and Titus avenue.
- 1 Calef road and Pine Grove cemetery.
- 1 Valley and Maple street.
- 1 Valley and Lincoln.
- 1 Hayward and Lincoln.
- 1 Taylor street, near railroad.
- 1 Valley street, front of No. 868.
- 1 Candia road and Orchard avenue.
- 1 Candia road and Cody street.
- 1 Candia road, No. 487.
- 1 Candia road and Page street.
- 1 Candia road, No. 225.

- 1 Candia road, near yellow barn.
- 1 Candia road, No. 927.
- 1 Candia road, No. 914.
- 1 Candia road, No. 1035.
- 1 Candia road and Proctor road.
- 1 Candia road.
- 1 Lake Shore road and Proctor road.
- 1 Nutt road, at Shea's.
- 1 Lake Shore road, at Luther Proctor's.
- 1 Lake Shore road, at Page's.
- 1 Lake Shore road, at pumping station road.
- 2 Lake Shore road.
- 1 Lake Shore road, at railroad crossing.
- 1 Lake Shore road and Candia road.
- 1 Candia road, near Lake pavilion.
- 1 Candia road and Hanover street.
- 1 Candia road, at McDonald's.
- 2 Candia road.
- 1 Broadway.
- 1 Hanover street, No. 1263.
- 1 Hanover street and Proctor road.
- 1 Hanover street.
- 1 Hanover street, No. 982.
- 1 Hanover street and J. Hall road.
- 1 J. Hall road.
- 1 Mammoth road and Cilley road.
- 1 Mammoth road and Island Pond road.
- 1 Mammoth road and Cohas avenue.
- 1 Young street, near Taylor.
- 1 Taylor street.
- 1 Wilson and Clay.
- 1 Shasta and Maple.
- 1 Bowman and Marlborough.
- 1 Glenwood avenue and Lovering street.
- 1 Sherburne street and Candia road.
- 1 Hayward and Maple.
- 1 Morrison and Arlington.
- 1 Union and Webster.
- 1 Liberty and Webster.
- 1 Appleton and Ray.
- 1 Manchester street, between Lincoln and Wilson streets.
- 1 Mammoth and Derry roads.
- 1 Mammoth road, near residence of Edward Bannon.
- 1 Mammoth road, near residence of Fred Lovering.
- 1 Lake Shore road, opposite the Hunter house.

Total, 63.

Gas Lights in Use.

- 1 Merrill street, corner Willow.
- 1 Brown avenue, corner Shasta.
- 1 Brown avenue, corner Byron.
- 1 Hancock street, corner Hamilton.
- 1 Hancock street, near brewery.
- 1 State street, at Manchester Mills.
- 1 Franklin street, corner Auburn.
- 1 Turner street, south of Walker.
- 1 Milford street, corner Bowman.
- 1 A street, corner B.
- 1 Boynton and C.
- 1 Milford street, corner Williams.
- 1 George street, west side.
- 1 Mast street, near Riddle.
- 1 Granite street, corner Dover.
- 1 Granite street, corner Quincy.
- 1 Douglas street, corner Quincy.
- 1 Douglas street, corner Dover.
- 1 Douglas street, corner back street.
- 1 Douglas street, corner Turner.
- 1 Pleasant street, west of Franklin.
- 1 Pleasant street, near Canal.
- 1 Mechanic street, between Elm and Canal.
- 1 Walnut street, between Bridge and Lowell.
- 1 Bridge and Arkwright.
- 1 Somerville street, between Maple and Lincoln.
- 1 Bridge street, between Chestnut and Elm.
- 1 Appleton street, near Elm.
- 1 Munroe street, between Elm and Canal.
- 1 Clarke street, corner Chestnut.
- 1 Chestnut street, corner Blodget.
- 1 Blodget street, near Elm.
- 1 Orange street, corner Chestnut.
- 1 Orange street, between Chestnut and Elm.
- 1 Orange street, corner Walnut.
- 1 Orange street, corner Beech.
- 1 Pearl street, corner Maple.
- 1 Arlington street, near Maple.
- 1 East High street, corner Maple.
- 1 Lowell street, corner South.
- 1 East High street, corner Belmont.
- 1 Lowell street, corner Beacon.
- 1 Concord street, corner Beacon.
- 1 Concord street, corner Belmont.

- 1 Amherst street, corner Belmont.
- 1 Manchester street, corner Belmont.
- 1 Central street, corner Belmont.
- 1 Ainsworth avenue, corner Hayward street.
- 1 Jewett street, corner Young road.
- 1 Jewett street, near Young road.
- 1 Nutfield lane and Elm back street, Clough's block.
- 1 Nutfield lane and Elm back street, Opera block.
- 1 Monadnock and Nutfield lane, Hotel Windsor.
- 1 Hanover, above Beech.
- 1 Chestnut, above Clarke.
- 1 Salmon, west of Elm.
- 1 Massabesic and Taylor.
- 1 Amherst and Beacon.
- 1 Hanover street, above Lincoln.
- 1 Beech street, below Bridge.
- 1 Bay street, between North and Webster.
- 1 Parker street.
- 1 Hollis street.
- 1 Belmont and Hayward.
- 1 Ash street, below Bridge.
- 1 Waldo and Everett.
- 1 Chestnut, above Clarke.
- 1 Carroll street.
- 1 Walnut and Prospect.
- 1 Prout avenue, opposite No. 99.
- 1 South Main, below Milford.
- 1 Elm street, rear of J. E. Dodge's.
- 1 Kidder Court.
- 1 Chestnut street, above North.
- 1 River road and Thayer.
- 1 Harrison and Alfred.
- 1 Mammoth road, near Nelson.
- 1 Jones street, near Nelson.
- 1 Nelson, corner Jones.
- 1 Taylor and Grove.
- 1 Chester street.
- 1 Cleveland and Hiram streets.
- 1 Buzzell and Bridge streets.
- 1 Maple and Howard streets.
- 1 Somerville and Wilson streets.
- 1 Bay street, near residence of W. S. Plumer.
- 1 Oakland and Woodbine avenue.
- 1 Oakland and Woodland avenue.
- 1 Mammoth road and Oakland avenue.
- 1 Candia road, west Londonderry turnpike.
- 1 Longwood and Revere avenues.
- 3 Londonderry turnpike.

Total, 94 lights.

REPORT

OF THE

BOARD OF WATER COMMISSIONERS.

BOARD OF WATER COMMISSIONERS, 1907.

EUGENE E. REED, *Mayor, ex officio.*

CHARLES H. MANNING, *President*, term expires January, 1913.

PERRY H. DOW, term expires January, 1909.

EDGAR J. KNOWLTON, term expires January, 1910.

CHARLES M. FLOYD, term expires January, 1914.

WILLIAM COREY, term expires January, 1911.

ROBERT E. MCKEAN, term expires January, 1912.

ARTHUR E. STEARNS, *Clerk.*

OFFICERS.

CHARLES H. MANNING, *President.*

CHARLES K. WALKER, *Superintendent.*

ARTHUR E. STEARNS, *Registrar.*

JEROME J. LOVERING, *Engineer at Low Service Pumping Station.*

CHARLES A. WHITNEY, *Engineer at High Service Pumping Station.*

BOARD OF WATER COMMISSIONERS.

To the Honorable City Councils of the City of Manchester, N. H.:

GENTLEMEN:—The Manchester Water Commissioners herewith present their thirty-sixth annual report for the year ending December 31, 1907, with the detailed report of the superintendent during the period.

FINANCIAL CONDITION.

Receipts and expenditures for the year have been as follows:

Received from water rents, etc.....	\$123,808.45	
Received from hydrant rentals.....	20,625.00	
		<hr/>
Total receipts for 1907.....	\$144,433.45	
Amount paid for current expenses.....	\$33,947.30	
Amount paid for construction expenses....	73,031.50	
Amount paid for interest on water bonds...	31,422.50	
Hydrant rentals set aside for sinking fund	20,625.00	
Set aside for sinking fund for payment of		
water bonds, state law, 1897.....	5,000.00	
		<hr/>
	164,026.30	
		<hr/>
Expenditures over receipts.....	\$19,592.85	
		<hr/>
Amount on hand December 31, 1906.....	\$33,585.46	
Expenditures over receipts, 1907.....	19,592.85	
		<hr/>
Amount on hand December 31, 1907.....	\$13,992.61	

Respectfully submitted,
EUGENE E. REED, *ex officio*,
CHARLES H. MANNING, *President*,
CHARLES M. FLOYD,
EDGAR J. KNOWLTON,
WILLIAM COREY,
PERRY H. DOW,
ROBERT E. MCKEAN.

Water Board.

SUPERINTENDENT'S REPORT.

To the Board of Water Commissioners of the City of Manchester:

GENTLEMEN:—The following report of the superintendent for the year 1907 is respectfully submitted:

The water at the lake is four and one half feet higher the 31st day of December than it was at the same time last year.

The lake did not get full until the first of April. We used the steam pump all winter, pumping twice a week or more into the old reservoir to keep up the supply at the old service.

The lake, as a rule, fills up before the month of March, but this year it did not; so our water power was short during the winter months. We have not called for help by steam since April, for our water power has been sufficient to do the work for the low service.

No land around the lake has been bought this year.

The bank by the highway at Severance's shore was rubbled and the wall extended by the new wharf, the whole expense being about four hundred dollars.

There was a lawsuit over a piece of land with a small cottage upon it, which was bought by the city of Williams. This land was claimed by J. S. Duggan, but the city won the suit.

OLD PUMPING STATION.

At this station there has been a great improvement. The new bevel gear that was ordered the first of the season was set up in September, and is a good job.

It runs and carries the pumps without any noise, and it was hung up on the jack shaft under the direction of President Manning, who was the consulting engineer about these repairs and should have the credit of these improvements, which are a big success. The expense was about one thousand dollars.

A building was put up over the hydrant to keep it from freezing and to protect the hose at a cost of one hundred and seventy-five dollars.

A sewer was laid between the house and the street to take the water that comes from the canal, and run around the penstock. This new sewer carries the water south of the station into a small water course that runs into the brook at a distance of three hundred feet.

Josiah Laselle, the superintendent at this station, died on the twenty-fifth of February, having been in charge since November 1, 1891. He has been a careful, faithful and honest official for the city.

Jerome J. Lovering was elected to take his place the first day of April and he proves to be a first-class man to take charge of this station.

The old Eben Webster house, the first below the stone arch bridge, has been taken down and the cellar filled up.

A little work was done at the dam. When the water was about the right height a few loads of sand were dropped on top, which filled up the seams where the cement had worked out, and it is in good condition today and shows no leaks.

The bridge over the dam at this place needs new planking. It has been repaired by the highway superintendent heretofore, but as they are tired of doing it, they think it should be done by this department. I do not think so.

Everything needs painting about the old station, and should be attended to early in the spring.

At the new station the repairs on the roof and round, the pump house amounted to seven hundred dollars, and in the dwelling-house four hundred dollars were laid out in building a new sink room and pantry, also a hot water tank was erected. The first was actually necessary and the last was for the convenience of the family living there.

A pipe one inch in diameter was laid from the pump house to the Hunter place, a distance of thirteen hundred feet, to supply the house with water in a dry time.

THE OLD RESERVOIR.

At this reservoir the concrete over the gates at the inlet fell in and had to be renewed, which was done.

The paving on the south bank for one hundred and seventy-five feet was laid over. The whole expense at this reservoir was five hundred dollars.

At the new reservoir nothing was done except at the gate house, where the boys had shot small bullet holes through the windows. These were patched up to keep out the cold.

The supply and force mains are all in good condition.

The distribution pipe has been extended seven thousand six hundred and thirty-seven feet on twenty-six different streets, mostly six-inch pipe.

Twelve hydrants were set on these extensions.

SERVICE PIPES.

The service pipes have caused some trouble. Many of them had given out and had to be laid over. We have had no trouble with fish getting in and stopping the flow of water except in a very few instances.

A big eel got into the distribution pipe and tried to enter the service pipe, but was too large to get into it. It was about eighteen inches long and weighed about three pounds, and it was taken out of a hydrant near the service pipe. A German took it home, dressed and ate it and said it was a good one.

The service pipes have been frozen up quite a good deal, the frost going down five and one half feet in some places. We kept the steamer running and had help from the electric power company.

We think we have done well to be above the board, for Goffe's Falls has taken over sixty thousand dollars of our money on a claim for damages for diverting the water.

PUMPING RECORD, LOW SERVICE STATION, 1907.

MONTHS.	Time, Davidson	Time, Wood.	No. of strokes, Davidson.	No. of strokes, Wood.	Average strokes per minute, Davidson.	Average strokes per minute, Wood.	No. of gallons pumped by Davidson.	No. of gallons pumped by Wood.	Total.	Daily average.
January	429 40	.....	453,561	.....	17.96	.....	68,941.972	.....	68,941.972	2,293,912
February	391 05	.....	384,211	.....	18.15	.....	58,400.072	.....	58,400.072	9,085,717
March	429 05	.....	478,009	.....	18.60	.....	72,657.368	.....	72,657.368	2,469,569
April	398 30	.....	471,744	.....	19.73	.....	71,357,088	.....	71,357,088	2,390,167
May	406 50	.....	497,971	.....	20.39	.....	75,691,592	.....	75,691,592	2,441,664
June	421 35	.....	524,805	.....	20.71	.....	79,674,360	.....	79,674,360	2,655,809
July	454 55	.....	555,414	.....	20.31	.....	84,422,838	.....	84,422,838	2,723,317
August	488 00	.....	568,646	.....	19.56	.....	86,434,192	.....	86,434,192	2,788,199
September	257 00	243 10	281,573	276,578	18.54	.....	42,782,896	36,438,296	79,271,192	2,642,373
October	477 10	.....	458,100	.....	18.33	.....	80,271,600	.....	80,271,600	2,589,406
November	395 30	.....	466,556	.....	19.65	.....	71,016,512	.....	71,016,512	2,367,217
December	408 00	.....	488,887	.....	19.93	.....	74,320,824	.....	74,320,824	2,397,446
	4,957 20	243 10	5,628,977	276,578	19.95	.....	866,248,614	36,488,296	902,736,910	.....

PUMPING RECORD, HIGH SERVICE SNOW ENGINE, 1907.

MONTHS.	TOTAL PUMPING TIME PER MONTH.		No. days pump- ing.	Total number of strokes.		Average strokes per min.	COAL IN POUNDS.				No. of gallons pumped.	Gallons pumped per pound of coal.	Pumped into low service.
	Hours	Min.		Raising steam and banking.	Pump- ing.		Ashes and clinkers.	Total coal.					
January.....	22	148	30	298,720	26,273	61,008	7,625	87,281	35,547,680	583	9 days.		
February.....	19	138	40	283,593	24,890	54,602	7,147	79,492	33,747,567	918	10 "		
March.....	18	113	30	272,851	22,606	42,098	5,825	61,704	26,519,269	630	6 "		
April.....	17	79	25	153,445	19,580	29,460	4,124	49,040	18,259,955	622			
May.....	7	31	10	55,951	7,483	11,082	1,671	18,564	6,658,169	600			
June.....	21	93	20	179,261	19,455	34,291	4,810	53,745	21,330,869	623			
July.....	27	98	40	191,727	24,286	31,096	5,280	60,346	22,815,513	634			
August.....	26	103	10	212,832	23,614	39,778	5,409	63,392	25,330,578	638			
September.....	18	86	35	167,572	17,292	31,918	4,163	49,210	19,941,068	626			
October.....	17	81	05	157,727	16,730	30,038	3,981	46,768	18,769,513	625			
November.....	18	81	10	157,727	16,818	29,404	3,967	46,252	18,561,263	632			
December.....	17	81	50	156,621	22,180	30,145	4,424	52,326	18,637,809	618			
	227	1,142	05	2,236,297	241,237	429,854	53,526	671,120	266,119,343	621			

295.6 tons of coal were used in pumping; 203.5 gallons of oil; 251 pounds of waste.

PUMPING RECORD, HIGH SERVICE WORTHINGTON ENGINE, 1907.

MONTHS.	No. days pump- ing.	Total pump- ing time per month		Total number of strokes.	Average strokes per minute.	COAL IN POUNDS.				No. of gallons pumped.	Gallons pump'd per pound of coal.
		Hours.	Min.			Raising steam and bank'g.	Pump- ing.	Ashes and clinkers.	Total coal.		
April.....	2	7	45	19,444	42	650	2,418	246	3,068	1,069,420	442
May.....	17	88	55	224,499	42	9,656	28,090	3,249	37,746	12,347,445	439
	19	96	40	313,943	42	10,306	30,503	3,495	40,814	13,416,865	441

18.2 tons of coal were used in pumping; 13.3 gallons oil; 14 pounds waste.

RAINFALL AT HIGH SERVICE STATION, 1907.

DAY OF MONTH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	.82	*.04		*.27				.16				
2			*.35			.36			.06		.08	
3						.56			.92		.97	
4	.46		*.02		.38			.52	.68	.62		*.04
5		*.65	*.02	*.07		.22			.14	.03		
6		*.02				.15		.04			.91	
7					.05		.24			.06	.93	
8	.12			*.62					.14	1.00		
9	.17			*.70			.46					
10		*.08		*.07					.17		.31	*.48
11					.38		.23		.34			*.55
12	*.34						.93		.20			
13			*.04									
14	*.08		*.30									
15			*.30			.09						*.79
16					.17							*.17
17	*.05	*.04		.06	1.12		1.41	.29	.09			
18												
19	*.24	*.12	*.47							.17	.14	
20										.17		
21		*.13					.82	.29	.03	.20	.12	
22	*.24										.13	
23							.07		1.24			.82
24			*.42	.58				.08	2.11			.09
25	*.12	*.28			.24	.27	.52		.02		.87	
26	*.44				.15	.05	.25				.13	
27				.11	.16						.06	
28			*.11					.07	.12	1.31		
29				.02					2.50	1.49		
30						.95		.09	.18			.56
31					.08			.06				
	3.08	1.36	1.73	2.50	2.73	2.65	4.93	1.60	9.00	4.88	4.58	3.50

Total rainfall, 42.54 inches.

* Snow.

1895. Total rainfall, 42.06 inches.
 1896. Total rainfall, 38.41 inches.
 1897. Total rainfall, 49.76 inches.
 1898. Total rainfall, 47.15 inches.
 1899. Total rainfall, 36.27 inches.
 1900. Total rainfall, 47.89 inches.
 1901. Total rainfall, 47.47 inches.
 1902. Total rainfall, 47.58 inches.
 1903. Total rainfall, 40.39 inches.
 1904. Total rainfall, 34.54 inches.
 1905. Total rainfall, 39.13 inches.
 1906. Total rainfall, 41.85 inches.
 1907. Total rainfall, 42.54 inches.

Income from the Sale of Water.

The income from the sale of water for 1907 has been as follows:

Received for water by rate.....	\$19,727.23	
for water by meter.....	101,758.05	
for water building purposes.....	250.20	
for fines	398.80	
		\$122,134.28
Received for pipe, etc.....	\$113.80	
for pipe, Derryfield Shoe Co.....	366.80	
for pipe, American Locomotive Co.	190.23	
for pipe, China mills.....	3.00	
for pipe, People's Gas Light Co....	150.21	
for pipe, Sisters Precious Blood...	28.10	
for pipe, Gordon Woodbury, 4-inch pipe	51.75	
for pipe, Gordon Woodbury.....	39.00	
		\$942.89
Received from Hodge cottage.....	\$100.00	
from Wallace cottage.....	100.00	
		\$200.00
Received from W. M. Moulton, rent.....	\$72.00	
from Arthur Nutting, rent.....	50.00	
from G. G. Griffin, lease.....	1.00	
from F. Brown, lease.....	1.00	
from Grattan Club, lease.....	22.00	
from Burke Bros., lease.....	300.00	
		\$446.00
Received from G. E. Atwood, stone.....	\$5.00	
from Devonshire Mills, one half ex- penses	43.28	
		\$48.28
Received from George Blackman, grass....	8.00	
from Frank McIntyre, grass.....	3.00	
from H. J. Crombie, grass.....	4.00	
C. S. Davis, grass.....	4.00	
F. H. Gilbert, grass.....	3.00	
T. S. Emery, grass.....	12.00	
S. H. Burbank, grass.....	3.00	
		\$37.00
		\$123,803.45
Received from hydrant rentals.....		20,625.00
		\$144,433.45

Amount paid for current expenses.....	\$33,947.30	
paid for construction expenses.....	73,031.50	
paid for interest on bonds.....	31,422.50	
Hydrant rentals set aside for sinking fund	20,625.00	
State law (1897 bonds) set aside for sinking fund	5,000.00	
		<hr/>
		\$164,026.30
Expenditures over receipts.....		19,592.85
Amount on hand December 31, 1906.....		33,585.46
		<hr/>
Amount on hand December 31, 1907.....		\$13,992.61

CLASSIFICATION OF ACCOUNTS, 1907.

Superintendence, repairs, etc.....	\$20,228.32	
Stationery and printing.....	157.70	
Office and incidental expenses.....	1,277.37	
Pumping expenses (low service).....	3,973.60	
Pumping expenses (high service).....	4,928.83	
Repair to building.....	2,069.16	
Repair to canal, dam and reservoirs.....	1,312.32	
		<hr/>
		\$33,947.30
Service pipes	\$3,165.10	
Distribution pipes.....	8,301.54	
Fire hydrants and valves.....	919.80	
Meters	1,734.63	
Land and water rights.....	58,910.43	
		<hr/>
		\$73,031.50
		<hr/>
		\$106,978.80
Sinking fund for water bonds (1897).....	\$5,000.00	
Sinking fund from fire hydrants.....	20,625.00	
		<hr/>
		\$25,625.00
		<hr/>
		\$132,603.80

Total Construction Expenses.

Land and water rights.....	\$392,708.43
Dam, canal, penstock, etc.....	101,399.16
Pumping machinery and buildings.....	246,508.69
Distribution of reservoirs.....	117,697.90
Force and supply main.....	89,769.02
Distribution pipes	689,303.11
Fire hydrant and valves.....	67,830.33
Meters and fixtures.....	70,444.05
Service pipes	93,572.94
Grading and fencing.....	17,470.39

Tools and fixtures.....	\$10,649.35	
Boarding and storehouses.....	919.36	
Roads and culverts.....	4,405.20	
Supplies	550.39	
Engineering	22,176.19	
Livery and traveling expenses.....	2,856.64	
Legal expenses	563.79	
	<hr/>	\$1,928,824.94

Total Current Expenses.

Superintendence and repairs.....	\$492,112.97	
Stationery and printing.....	9,026.70	
Office and incidental expenses.....	42,726.10	
Pumping expenses (low service).....	78,645.59	
Pumping expenses (high service).....	64,894.36	
Repairs to buildings.....	9,777.09	
Repairs to dam, canal, reservoir.....	15,143.49	
	<hr/>	\$712,326.30
Interest	\$40,678.51	
High expenditures	14,000.53	
	<hr/>	\$54,679.04
		<hr/>
		\$2,695,830.28
Interest, discount and labor performed on highway, transferred and tools and mate- rial sold	\$89,344.89	
Current expenditures to December 31, 1907..	712,326.30	
	<hr/>	\$801,671.19

Total cost, exclusive of interest and current ex- penses	\$1,894,159.09
Interest and discount to December 31, 1906..	\$1,211,917.01
Interest for 1907.....	31,422.50
	<hr/>
	\$1,243,339.51

AMOUNT OF WATER BONDS ISSUED TO DECEMBER 31, 1907.

Issued July 1, 1890, rate 4 per cent, due July 1, 1910....	\$100,000.00
January 1, 1892, rate 4 per cent, due January 1, 1912	100,000.00
August 1, 1893, rate 5 per cent, due August 1, 1913	100,000.00
November 1, 1893, rate 4½ per cent, due Novem- ber 1, 1913.....	100,000.00
October 1, 1894, rate 4 per cent, due October 1, 1914	50,000.00
July 1, 1895, rate 4 per cent, due July 1, 1915....	100,000.00

December 16, 1895, rate 4 per cent, due December 16, 1915.....	\$50,000.00
January 1, 1897, rate 4 per cent, due January 1, 1917	100,000.00

\$700,000.00

SINKING FUND.

1893	\$12,750.00
1894	13,925.00
1895	15,800.00
1896	16,800.00
1897	17,175.00
1898	17,675.00
1898	5,000.00
1899	5,000.00
1899	18,100.00
1900	18,425.00
1900	5,000.00
1901	5,000.00
1901	18,575.00
1902	18,800.00
1902	5,000.00
1903	5,000.00
1903	19,200.00
1904	19,450.00
1904	5,000.00
1905	5,000.00
1905	19,550.00
1906	20,075.00
1906	5,000.00
1907	5,000.00
1907	20,625.00

\$316,925.00

Interest, etc., to December 31, 1906.....	46,795.63
Interest, etc., for 1907.....	5,801.71

\$369,522.34

Paid for retiring bonds January 1, 1902....	\$100,000.00	
Paid for retiring bonds January 1, 1907....	100,000.00	
		<hr/>
		200,000.00

On hand December 31, 1907..... \$169,522.34

STATEMENT OF RECEIPTS.

Year.	Total.	Hydrant rent.	Water by rate.	Water by meter.	Received for building purposes.	Fines.	Labor, pipe, and materials sold.	Rentals and buildings sold.	No. of meters.
1872	\$573.61								
1873	2,097.60		\$1,692.69	\$190.84		\$14.00	\$200.67		8
1874	32,154.07	\$22,425.00	7,987.27	1,436.56	\$119.10	104.18	699.85		98
1875	29,223.60	13,095.00	10,292.13	3,348.11	122.13	120.59	2,245.64		160
1876	39,028.47	16,320.00	15,900.63	6,905.81	72.32	180.16	249.55		166
1877	43,823.30	17,475.00	18,064.51	7,783.09	136.10	233.04	131.56		202
1878	48,874.26	17,970.00	20,255.97	10,090.25	83.60	232.82	241.62		226
1879	53,143.17	18,165.00	21,610.13	12,732.93	81.60	240.64	303.87		251
1880	57,655.25	18,300.00	23,795.96	14,794.34	79.50	210.39	465.06	\$10.00	280
1881	60,215.62	18,780.00	25,336.18	15,554.98	105.60	223.99	203.87	11.00	310
1882	67,630.13	20,130.00	26,803.06	19,898.69	146.65	197.49	443.24	11.00	371
1883	73,458.20	20,520.00	28,838.24	23,431.20	314.65	208.04	125.07	21.00	404
1884	75,580.08	21,350.00	31,724.07	21,329.75	195.10	231.96	738.20	11.00	446
1885	80,404.12	18,900.00	33,597.02	27,425.35	102.50	186.80	181.45	11.00	486
1886	75,129.99	19,750.00	33,062.11	21,573.45	287.40	130.80	320.23	6.00	613
1887	80,518.17	20,437.50	33,497.21	25,277.09	351.70	119.20	819.47	16.00	739
1888	85,643.82	21,000.00	33,864.78	29,838.82	543.80	149.80	243.62	3.00	842
1889	86,700.46	18,240.00	34,140.99	33,596.05	361.95	153.20	155.27	53.00	951
1890	90,463.37	19,880.00	32,431.10	37,009.80	649.90	151.80	298.77	42.00	1,135
1891	76,605.23	4,900.00	30,588.79	40,479.25	494.80	160.40	200.99	91.00	1,313
1892	83,474.79	5,000.00	31,344.24	46,139.35	416.00	168.40	139.80	267.00	1,608
1893	104,170.08	12,750.00	32,603.59	58,103.20	1,033.75	159.60	339.38	180.56	1,895
1894	110,210.29	13,925.00	32,176.28	62,501.35	697.80	227.40	334.82	347.64	2,182
1895	118,374.50	15,800.00	32,903.99	67,465.90	808.20	300.40	768.17	327.84	2,520
1896	128,907.03	16,800.00	32,540.03	77,610.10	638.48	302.80	410.12	575.50	2,865
1897	125,719.17	17,175.00	30,647.17	76,148.60	331.85	321.80	627.08	467.67	3,134
1898	131,184.08	17,675.00	29,409.58	80,643.30	187.00	359.80	411.90	2,467.50	3,340
1899	133,436.41	18,100.00	28,063.34	85,764.80	246.80	363.80	400.59	497.08	3,502
1900	138,241.94	18,425.00	27,868.85	91,079.30	95.80	397.80	232.59	142.60	3,667
1901	138,206.14	18,575.00	26,954.99	91,382.60	220.30	437.60	410.90	224.75	3,804
1902	134,331.48	18,800.00	23,785.49	90,479.10	233.34	434.00	358.25	241.25	3,983
1903	128,416.23	19,200.00	21,539.64	85,954.05	253.90	407.00	137.64	924.00	4,101
1904	133,057.47	19,450.00	20,486.64	88,639.41	161.28	369.20	808.12	3,142.82	4,220
1905	136,353.07	19,550.00	20,230.99	92,438.70	250.66	366.00	1,437.09	1,779.63	4,356
1906	139,820.76	20,075.00	20,154.51	94,845.90	277.86	354.40	368.88	4,244.21	4,525
1907	144,433.45	20,625.00	19,727.23	101,758.05	250.20	398.80	991.17	683.10	4,668

1878, meter rate was changed. 1884, hydrant rates reduced. 1896, meter and other rates reduced. 1899, hydrant rates reduced. 1891 and 1892, received only part of hydrant rent, and nothing from water-troughs or street sprinklers. 1893, hydrant rent and water-closets rate reduced. July 1, 1902, rates reduced. Meter rate reduced October 1, 1904.

The following amounts have been paid over to the city treasurer, and credited to the water-works:

1872, supplies and materials sold.....	\$573.61
1873, supplies and materials sold.....	177.07
accrued interest on water-bonds sold.....	193.26
accrued interest on state bonds sold.....	146.00
water rents	1,920.53
1874, supplies and materials sold.....	607.89
March 12, highway expenditures transferred from water account	14,000.53
March 17, interest and discount transferred from water account	12,347.25

September 1, interest and discount transferred from water account.....	\$22,361.74
water and hydrant rent.....	30,233.54
December 29, interest transferred.....	4,566.25
1875, water and hydrant rent.....	27,119.15
sundry items	2,104.45
1876, water and hydrant rent.....	38,879.47
sundry items	149.00
1877, water and hydrant rent.....	43,691.74
sundry items	131.56
1878, water and hydrant rent.....	48,632.64
sundry items	241.62
1879, water and hydrant rent.....	52,839.30
sundry items	303.87
1880, water and hydrant rent.....	57,180.19
sundry items	475.06
1881, water and hydrant rent.....	60,000.75
sundry items	214.87
1882, water and hydrant rent.....	67,175.89
sundry items	454.24
1883, water and hydrant rent.....	73,312.13
sundry items	146.07
1884, water and hydrant rent.....	74,830.88
sundry items	749.20
1885, water and hydrant rent.....	80,211.67
sundry items	192.45
1886, water and hydrant rent.....	74,803.76
sundry items	326.23
1887, water and hydrant rent.....	79,682.70
sundry items	835.47
1888, water and hydrant rent.....	85,397.20
sundry items	246.62
1889, water and hydrant rent.....	86,492.19
sundry items	208.27
1890, water and hydrant rent.....	\$90,122.60
sundry items	340.77
1891, water and hydrant rent.....	76,213.24
sundry items	291.99
1892, water and hydrant rent.....	83,067.99
sundry items	406.80
1893, water rents	90,900.14
sundry items	519.94
1894, water rents	95,602.83
sundry items	682.46
1895, water rents	101,478.49
sundry items	1,096.01

1896, water rents	\$111,091.41
sundry items	1,015.62
1897, water rents	107,449.42
sundry items	1,094.75
premiums on bonds.....	6,248.00
1898, water rents	110,599.68
sundry items	2,909.40
1899, water rents	114,438.74
sundry items	897.67
1900, water rents	119,441.75
sundry items	375.19
1901, water rents	118,995.49
sundry items	635.65
1902, water rents	114,931.93
sundry items	599.55
1903, water rents	108,154.59
sundry items	1,061.64
1904, water rents	109,656.53
sundry items	3,950.94
1905, water rents	113,386.35
sundry items	3,416.72
1906, water rent	115,132.67
sundry items	4,613.09
1907, water rents	122,134.28
sundry items	1,674.17
	<hr/>
	\$2,978,884.80

SERVICE PIPES LAID, 1907.

114 1-inch diameter	2,790.4 feet
2 1½-inch diameter	50.5 "
1 2-inch diameter.	
1 4-inch diameter	14.0 "
3 6-inch diameter.	
	<hr/>
121	2,854.9 feet

SERVICE PIPES RELAID, 1907.

1 ½-inch diameter	17.3 feet to 1-inch diameter...	15.0 feet
1 ¾-inch diameter	34.1 feet to 2-inch diameter...	33.0 "
100 ¾-inch diameter	2,446.4 feet to 1-inch diameter...	2,389.3 "
22 1-inch diameter	552.3 feet to 1-inch diameter...	527.8 "
	<hr/>	<hr/>
124	3,050.1 feet	2,965.1 feet

SERVICE PIPES LAID TO DATE.

13	1/2-inch diameter	274.4	feet
583	3/4-inch diameter	14,712.3	"
5,538	1-inch diameter	140,342.2	"
18	1 1/4-inch diameter	781.9	"
40	1 1/2-inch diameter	1,086.3	"
95	2-inch diameter	2,462.5	"
2	2 1/2-inch diameter	63.0	"
7	3-inch diameter	142.8	"
17	4-inch diameter	340.2	"
23	6-inch diameter.		

 6,336

 160,205.6 feet

or 30.34 miles of service pipe.

METERS.

The number of meters set during the year has been one hundred and fifty-three (153).

Total number of meters in use forty-six hundred and sixty-eight (4,668).

Number of applications for water, one hundred and fourteen (114).

Total number applications to date, sixty-four hundred and sixty-six (6,466).

DISTRIBUTION PIPES LAID, GATES AND HYDRANTS SET, 1907.

STREETS.	Length in feet.				Gates set.			Hydrants.	LOCATION.
	4 in.	6 in.	8 in.	12 in.	6 in.	8 in.	12 in.		
Beech.....		6	23	987	1	1	2	1	Somerville to Shasta.
Chase.....		20			1				To Hospital Avenue.
Clay.....					1				Cor. Beech.
Clough.....		258			1				South of Spruce.
Coolidge.....			36						Northward to No. 304.
Crown.....			22						Northward to Park Avenue.
Derryfield....		230			1				East of Mammoth Road.
Garmon.....		347			1			1	North of Hanover.
Gold.....		512			1			1	East of Calef Road.
Hospital.....		192						1	South of Chase Avenue.
Howe.....		1294			3			3	Wilson to Maple.
Hubbard.....		876			1			1	Concord to Amherst.
Jewett.....		36							Southward to Merrill.
Maple.....		991			2			1	Shasta to Somerville.
Merrill.....		377			1				East of Jewett.
North.....					1				At Hydrant, Chestnut.
Park.....		250			1				East of Crown.
Pennsylvania..		29			1				Cor. Hanover.
Ray.....		370			1				North of Appleton.
Rimmon.....		36	219			1		1	North of Bremer
Second.....		127			1				South of Bath.
Somerville....				140					Eastward to Maple.
Spruce.....		212						1	Eastward to Kenney.
Thayer.....		98							East of Everett.
Thornton.....		267							Northward to No. 367.
Vinton.....		8	138					1	Eastward to Cypress.
Welch.....	36								Westward near Elm.
	36	6036	438	1127	19	2	2	12	

Total, 7,637 feet of pipe laid 1907, or 1.446 miles.

LOCATION OF HYDRANTS SET, 1907.

Beech street, south of Portsmouth Railroad.
Garmon street, corner of Amherst.
Gold street, opposite J. A. Brown's residence.
Hospital street, corner Chase avenue.
Howe street, corner Wilson.
Howe street, corner Maple.
Howe street, corner Lincoln.
Hubbard street, corner Amherst.
Maple street, corner Somerville.
Rimmon street, corner Bremer.
Spruce street, corner Kenney.
Vinton street, corner Cypress.

LIST OF GATES SET, 1907.

Beech street, 8-inch, corner Shasta.
Beech street, 6-inch, at hydrant.
Beech street, south side of Somerville.
Beech street, north of Portsmouth Railroad.
Chase street, corner of Hospital.
Clough street, corner of Spruce.
Clay street, corner of Beech.
Derryfield street, corner of Mammoth road.
Garmon street, corner of Hanover.
Gold street, corner Brown avenue.
Howe street, corner Wilson.
Howe street, corner east side of Lincoln.
Howe street, corner east side of Maple.
Hubbard street, corner Concord.
Maple street, corner Shasta, north side.
Maple street, corner Somerville, south side.
Merrill street, corner Jewett.
North street, corner Chestnut (at hydrant).
Park street, corner Crown.
Ray street, corner Appleton.
Rimmon street, corner Bremer.
Second street, corner Bath, south side.
Pennsylvania avenue, corner Hanover road.

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1907.

STREETS.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.					Air valves.	Hydrants.		
	20 in.	6 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8 in.			6 in.	4 in.
Pumping station *			4256			153		43			3			2				2
Force main, C. I. J.	1226		143								2							
Force main, C. J.	6738	63	324					75			2					3		3
Supply main t.	8049	126	331			28					1		1		5			1
Adams, north.								1308							3			
Agawam							227							1				
Appleton								1694							3			4
Amherst							1016	4394					2		8			13
Arlington								1765							3			4
Ash								1253	954						4	2		1
Ashland						2264							3					
Auburn							1010	4104					1		8			13
Baker								2624							5			5
Bay								2711							8			2
Beacon.								1785							1			1
Bedford						73		792							3			3
Beech			12194				6190	107				16		2	4	1	12	1
Belmont.							1111	6121						2	10			8

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1907.—Continued.

[illegible]

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1907.—Continued.

STREETS.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.							Air valves.	Hydrants.
	20 in.		6 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.		
	20 in.	6 in.																
Hubbard.....									376							1	1	1
Jane										637						2	...	3
Jewett								1701							2			
Jones									471							1		1
Josselyn									539							1		1
Kidder									750							3		3
Kidder's court.....									57	185						3		1
Knowlton.....									503							1		...
Lake avenue	4354	45		104					4329		3					10	1	12
Langdon									460							2		2
Laurel									5748							10		13
Liberty									657	238						1		1
Lingard									460							1		1
Londonderry road.....									22						1	2		2
Longwood									933							1		1
Lovering									364									...
Lowell					7570			32	94				8			10	1	12
Malvern										907						3		...
Mammoth road.....	7734								95		4					7	4	3

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1907.—Continued.

[illegible]

Riley.....				593					1	.....
Rowell.....				17					1	.....
Russell.....			303							.....
Sagamore.....				750						.....
Salmon.....				3466						.....	8
Shasta.....				275						.....	1
Shasta.....				1705						.....	4
Silver.....				3543						.....	5
Somerville.....			4290							.....	7
South.....				97				476		.....	1
Spring.....				752						.....	3
Spruce.....			650							.....	14
Stark.....				874						.....	3
State.....				1029						.....	3
Stevens.....				325						.....	1
Summer.....				1702						.....	4
Taylor.....				4755						.....	4
Thayer.....				305						.....	1
Titus.....			1403							.....	3
Trenton.....			1192							.....	2
Union.....			2335							.....	7
Valley.....			3611							.....	11
Victoria.....			256							.....	1
Vine... ..				33				340		.....	1
Vinton.....			138							.....	2
Walnut.....			522					1122		.....	6

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1907.—Continued.

STREETS.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.						Air valves.	Hydrants.	
	20 in.	6 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.			4 in.
Washington										351							2	
Water									726								2	
Webster									3338								6	
Welch avenue									10	328							1	
Weston									529								2	
Wilson							6137		10					11			1	
Willow										550							2	
Woodbine									537								1	
Woodland avenue									1212									3
Young									1879								2	
WEST SIDE OF RIVER.																		
A									836								1	
Abbott									133									
Adams									410								1	
Allen									772	9							1	
Alsace									1263								4	
Amoskeag road (Eddy)							2922	14	10						2	1	1	
Amory (north)									2312	27							2	
Amory (south)									2836	47							4	

Avon.....	692								1	1	1	1
B.....	606								1	1	1	1
Bank.....	304								1	1	1	1
Barr.....	290								1	1	1	1
Bartlett.....	1801								1	1	1	3
Bath.....	517								1	1	1	2
Beauport.....	3579								5	5	5	5
Bedel.....	326								1	1	1	1
Bennington.....	48								1	1	1	1
Bismarck.....	1036								1	1	1	1
Blaine.....	1573								3	3	3	3
Boulwell.....	280								1	1	1	1
Bowman.....	835 623								2	1	1	1
Boynton road.....	2739								1	2	2	6
Bremer.....	760								1	1	1	1
Bridge.....	580								1	1	1	1
Brook.....	242								1	1	1	1
C.....	637								2	2	2	2
Carroll.....	882								1	1	1	1
Cartier.....	3288								4	4	4	2
Charleston ave.....	790								2	2	2	1
Clement.....	304								1	1	1	1
Cleveland.....	1482								2	2	2	1
Clinton.....	563								2	2	2	2

Colby.....	253				1	1	
Columbus.....		283				1	
Coolidge avenue.....	116				2		
Conant.....		1791				2	5
Cumberland.....		663				1	1
D.....		304				1	
Dartmouth.....		769				1	1
Dickey.....		891				1	2
Donahue.....		451				1	1
Donald.....		552			1	1	2
Douglas.....		2089				4	7
Dover.....			662				
Dubuque.....		3004				5	1
Dunbarton.....		1210				1	1
Erie.....		435				1	
Essex.....		605				1	2
Ferry.....							
Forest.....		1554				2	1
Fourth.....		218				1	
Frederic.....		502				1	1
Front.....		1094	2514			2	5
George.....		391	477			1	2
Gifford.....			802	4		1	1
Glenwood.....		191					

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1907.—Continued.

STREETS.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.					Air valves.	Hydrants.
	20 in.		20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8 in.		
	6 in.															
Goffs.....								825							2	...
Goffstown Road.....								2674							3	5
Granite.....						900	620	1609				2	1	3	...	9
Green.....									250						1	...
Hancock.....								1623							2	3
Harriman.....								281							1	...
Hevey.....								2071							6	2
Harvel.....								56							1	...
Highland.....								524							1	1
Hiram.....								256							1	1
Huntress.....								707								1
Jollette.....								1053							3	1
Kearsarge.....								843							1	1
Kelley.....								2995							3	9
Laval.....								606							2	1
Log.....								230								...
Log back street.....								283							1	...
Main.....						10296		45				13			1	5
Marion.....								290							2	2

Mast.....	3849							3	8
Mast, new.....	1838	3152					3	2	7
McDuffie.....	527							1	2
McGregor.....	2161	150					1	3	3
McNell.....	206							1	
Mills.....	586							2	3
Milford.....	2849							3	6
Milford Lane.....	232							1	
Monitor.....	504							1	
Monmouth.....									
Montgomery.....	1076							3	
Morgan.....	288							1	
Omega.....	274							1	2
Parker.....	5								
Parker ave.....									
Piscataquog river.....									
Prince.....	598							1	2
Putnam.....	970							3	2
Quincy.....									
Reed.....	481							1	1
Riddle.....	945							1	1
Rimmon.....	2575	219						1	1
Robie.....	836							1	1
Rochelle.....	285							1	

[illegible][illegible]

* Elm to S. Main, by Cove street.

DISTRIBUTION PIPES AND GATES LAID TO DECEMBER 31, 1907.

Size of Pipe.	Cement-lined pipe.	Cast iron pipe.	Gates.
20-inch diameter.....	20,367 feet.	24,719 feet.	1 ³⁴
14-inch " .....	.....	16,245 "	21
12-inch " .....	.....	35,040 "	42
10-inch " .....	.....	47,091 "	52
8-inch " .....	.....	91,146 "	126
6-inch "	234 feet.	331,910 "	722
4-inch " .....	.....	20,329 "	61
	20,601 feet.	566,480 feet.	1,042

Cement lined pipe 3.90 miles

Cast-iron pipe 107.29 "

Total pipe 111.19 "

837 hydrants.

1,042 gates

12 air valves.

Respectfully submitted,

CHARLES K. WALKER.

Uses for Which Water is Supplied.

WATER FIXTURES, ETC.

13,479 families, 117 boarding houses, 17,791 faucets, 6,404 wash-bowls, 6,052 bathtubs, 14,989 water-closets, 1,183 set tubs, 287 urinals, 5255 sil-cocks, 2,988 horses, 235 cattle, 837 hydrants, 31 watering-troughs, 10 drinking fountains, 71 standpipes, 2 public urinals.

PUBLIC BUILDINGS.

1 jail, 35 churches, 1 courthouse, 13 hose companies, 7 fire engines, 2 hook-and-ladder, 3 opera houses, 4 convents, 4 city hospitals, 6 cemeteries, 1 orphanage, 1 postoffice, 1 city library, 6 banks, 9 hotels, 1 Masonic hall, 1 Odd Fellows' hall, 3 halls, Children's Home, Masonic Home, state armory.

SHOPS.

58 barber, 11 wheelwright, 20 blacksmith, 10 carpenter, 2 tinsmith, 1 copper, 3 currying, 20 plumber and gas and water pipe, 14 paint, 3 gunsmith.

STORES.

5 auction, 38 drug, 22 jewelry, 2 fur, 3 house-furnishing goods, 20 fancy goods, 1 wholesale paper, 5 wholesale produce, 24 dry goods, 12 candy, 1 cloak, 16 millinery, 3 tea, 9 furniture, 3 wholesale grocer, 110 grocery, 6 meal, 2 hardware, 34 boot and shoe, 11 store, 17 gents' furnishing goods, 7 book, 1 leather and shoe finders, 3 music, 6 upholstery, 11 undertaker, 5 sewing-machine, 1 feather-cleaner, 1 rubber.

SALOONS.

35 dining, 17 billiard, 73 liquor.

MISCELLANEOUS.

8 clubrooms, 3 bleacheries, 35 laundries, 4 ice-houses, 10 photographers, 1 Mercy Home, 2 old ladies' homes, 1 soldiers' monument, 1 Turner hall, 4 fountains, 2 trust companies, 1 city farm, 3 depots, 9 greenhouses, 2 bandrooms, 26 bakeries, 2 waste, 2 business colleges, 37 schoolhouses, 1 battery building, 1 kitchen, 3 wardrooms, 1 gymnasium, 2 police stations, 6 garages.

MANUFACTURING ESTABLISHMENTS.

2 hosiery mills, 1 silver-plating, 3 iron foundries, 2 dye-houses, 5 machine shops, 6 clothing manufactories, 9 harness shops, 1 cornice works, 1 brush shop, 9 carriage shops, 13 cigar factories, 1 brass and copper foundry, 1 locomotive works, 1 grist-mill, 1 silk mill, 3 granite works, 1 electric light station, 4 sash and blind shops, 1 brewery, 11 shoe shops, 1 gas works, 4 slaughter-houses, 1 soap factory, 3 needle manufactories, 6 beer-bottling, 3 book-binderies, 3 box-makers, 1 paper-box manufactory.

MARKETS.

5 fish, 14 meat and fish, 5 meat, wholesale.

STABLES.

18 livery, 1,312 private.

OFFICES.

23 dentists, 1 telephone, 2 telegraph, 31 coal, 1 gas, 1 electric, 2 express, 19 printing.

Materials on Hand.

QUARTER TURNS.

4 8-inch.
4 10 "
6 6 "
4 14 "
4 4 "

PIPE.

24 feet 24-inch pipe.
8,300 " 20 " "
120 " 14 " "
504 " 12 " "
1,416 " 10 " "
1,764 " 8 " "
576 " 6 " "
528 " 4 " "
5,364 " 1 " "
230 " $\frac{3}{4}$ " "
254 " 2 " "
263 " $1\frac{1}{2}$ " "

BRANCHES.

2 single 10 on 20.
1 " 6 " 20.
1 " 14 " 14.
1 " 12 " 14.
1 " 10 " 14.
1 " 6 " 14.
4 " 6 " 12.
1 " 4 " 12.
5 " 10 " 10.
3 " 6 " 10.
2 " 4 " 10.
17 " 8 " 8.
3 " 6 " 8.
25 " 6 " 6.

PLUGS.

1 14-inch.
15 10 "
25 12 "
4 8 "
8 6 "
14 4 "

WHOLE SLEEVES.

1 20-inch.
6 14 "
3 12 "
2 10 "
8 8 "
8 6 "
5 4 "

GATES.

2 8-inch bells.
2 10 " "
7 4 " "
6 6 " "
1 14-inch spigot.
1 14-inch bell.
3 6-inch spigots.

REDUCERS.

2 14-inch to 10-inch.
1 20 " " 14 "
2 14 " " 12 "
1 12 " " 8 "
2 12 " " 6 "
8 10 " " 8 "
2 10 " " 6 "
16 8 " " 6 "
4 6 " " 4 "

8 hydrants.
75 pigs of lead.
137 stop boxes.
127 curb cocks.
177 3-4 corp cocks.
11 gate domes.

BENDS.

1 20-inch 1-8 bend.
2 8 " 1-8.
4 10 " 1-8.
2 20-inch Y.
1 20 " 1-16.
1 14 " 1-8.
1 12 " 1-8.
4 10 " 1-8.
4 8 " offsets.
1 12 " "
13 6 " "
3 10 " "

BRANCHES.

1 double 4 on 8.
2 " 6 " 20.
1 " 8 " 14.
1 " 6 " 14.
6 " 6 " 12.
2 " 6 " 10.
4 " 8 " 8.
22 " 6 " 8.
4 " 6 " 6.
3 " 4 " 4.
1 " 6 " 8 on 14.
1 " 6 " 10 on 10.

R E P O R T

OF THE

SUPERINTENDENT OF SCHOOLS.

IN BOARD OF SCHOOL COMMITTEE,

DECEMBER 30, 1907.

The Superintendent presented his annual report to the committee, and it was accepted.

Voted, That the report by the superintendent be accepted and adopted as the report of the board, and that it be transmitted to the city councils for publication in the annual City Report.

HARRY L. DAVIS,

Clerk.

SCHOOL DEPARTMENT.

Organizaton, 1907.

SCHOOL COMMITTEE.

EUGENE E. REED, 636 Somerville street, *Ex Officio Chairman.*
W. PARKER STRAW, corner Franklin and Pleasant streets,
President of Common Council, ex officio.
EDWARD B. WOODBURY, *Vice-Chairman of the Board.*
HARRY L. DAVIS, *Clerk of the Board.*

WARD 1. Elmer D. Goodwin, 5 Stark street.
James A. Sayers, 37 Kidder street.
WARD 2. G. M. Davis, 156 Orange street.
Allan M. Wilson, 97 Salmon street.
WARD 3. Joel S. Daniels, 78 Ash street.
Frank L. Downs, 108 Ash street.
WARD 4. Nathaniel L. Colby, 307 Hanover street.
William A. Phinney, 450 Manchester street.
WARD 5. John F. Lee, 224 Central street.
Dennis F. O'Neil, 223 Green street.
WARD 6. Harry L. Davis, 552 East Spruce street.
Maurice Watson, 193 Massabesic street.
WARD 7. Edward B. Woodbury, 1 Pleasant street.
Edson S. Heath, 13 Middle street.
WARD 8. Walter B. Mitchell, 178 Milford street.
Frank A. Cadwell, 142 Douglas street.
WARD 9. Timothy F. Cronin, 137 Amory street.
Arthur L. Prince, 310 Notre Dame avenue.
WARD 10. Francis X. Lyons, Goffe's Falls.
J. H. Rice, 191 Jewett street.

VICE-CHAIRMAN OF THE BOARD.

EDWARD B. WOODBURY.

CLERK OF THE BOARD.

HARRY L. DAVIS.

SUPERINTENDENT OF PUBLIC INSTRUCTION.

CHARLES W. BICKFORD.

SUPERINTENDENT'S CLERK.

FANNIE L. SANBORN.

TRUANT OFFICER.

CURTIS W. DAVIS.

STANDING COMMITTEES.

Finance.—Mayor Reed, Messrs. Straw, H. L. Davis, Woodbury, and Cadwell.

Text-Books.—Messrs. Woodbury, Mitchell, and Wilson.

Music.—Messrs. Sayers, Watson, and Rice.

Drawing.—Messrs. Heath, Cronin, and Goodwin.

Manual Training.—Messrs. O'Neil, Rice, and Heath.

Examination of Teachers.—Messrs. Colby, Lyons, and G. M. Davis.

Fuel.—Mr. Daniels, Mayor Reed, Messrs. Straw, Lee, and Phinney.

Repairs.—Messrs. Downs, Cadwell, and Prince.

Attendance.—Messrs. Goodwin, Sayers, and Wilson.

Health.—Messrs. G. M. Davis, Watson, and Mitchell.

SUB-COMMITTEES.

High.—Messrs. Colby, Heath, Goodwin, Downs, and Cadwell.

Franklin-street.—Messrs. Woodbury, H. L. Davis, and Lee.

Spring-street.—Messrs. O'Neil, Watson, and Woodbury.

Lincoln-street and Youngsville.—Messrs. Goodwin, Lee, and G. M. Davis.

Ash-street and Webster's Mills.—Messrs. Downs, Rice, and Prince.

Webster-street and Stark.—Messrs. G. M. Davis, Mitchell, and O'Neil.

Bakersville and Mosquito Pond.—Messrs. Sayers, Phinney, and Watson.

Varney.—Messrs. Mitchell, O'Neil, and Phinney.

Hallsville and Harvey.—Messrs. H. L. Davis, Daniels, and Sayers.

Rimmon.—Messrs. Cronin, Heath, and Daniels.

Training School.—Messrs. Wilson, Lyons, and Mitchell.

Main-street.—Messrs. Cadwell, Goodwin, and Lyons.

Parker.—Messrs. Prince, G. M. Davis, and Rice.

Wilson.—Messrs. Daniels, Prince, and Wilson.

Straw.—Messrs. Heath, Cronin, and Colby.

Amoskeag.—Messrs. Rice, Wilson, and Downs.

Goffe's Falls and Highland.—Messrs. Lyons, Cadwell, and Mitchell.

Pearl-street.—Messrs. Phinney, Sayers, and Heath.

Chandler.—Messrs. Lee, Woodbury, and Cadwell.

Kindergartens.—Messrs. Watson, Downs, and Cronin.

Evening Schools.—Messrs. Lee, Colby, and H. L. Davis.

SUPERINTENDENT'S REPORT.

To the School Board, the City Council, and the Citizens of Manchester:

The following is presented as the annual report of the school department for the year ending July 15, 1907. It is the sixty-first report of the department as a whole and the fifty-second of a superintendent.

BUILDINGS, ROOMS, AND TEACHERS.

The report of this body one year ago gave the number of buildings occupied by the public schools of the city as twenty-five. The past year has seen this number increased by one, the Chandler building, opened September 4, 1906. This is a combined grammar and lower grade building, and raises the number of such buildings from fifteen to sixteen, giving also a total of twenty-six structures used for school purposes.

The number of rooms occupied for the instruction of classes has been one hundred and forty-two, including the corridor and anteroom occupied by teachers in the Rimmon building.

The average number of teachers employed has been one hundred and fifty-eight, not including the members of the two classes in the training school for teachers. This number is an increase of six over that for the year preceding, and includes one special teacher of drawing, one middle school teacher in the Parker building, and four additional teachers, two of them kindergartners, employed because of the opening of the Chandler school.

One hundred and thirty-nine registers have been kept, so that in the eyes of the law we have maintained one hundred and thirty-nine schools, each group of pupils for which a single register is kept being accounted as one school. This is an increase of four over the number for 1906. To summarize: the school buildings number twenty-six; rooms occupied, one hundred and forty-two; number of teachers, one hundred and fifty-eight; number of registers kept, one hundred and thirty-nine.

ATTENDANCE.

The enrollment for the year has been five thousand nine hundred and seventy-four, an increase of two hundred and seventy-two over that for the preceding year. The average membership has been four thousand nine hundred and ninety-five, an increase of eighty-eight over that for the preceding year. The average daily attendance has been four thousand five hundred and eighty-nine, an increase of fifty-

eight over that for the year preceding. The per cent of attendance has been four-tenths lower than for 1906.

There has been, it will be observed, a slight growth in numbers. Irregularity in attendance has slightly increased.

The number of tardinesses has been eight more than for 1906, an increase much smaller proportionately than the increase in membership. A table is again submitted, showing the per cent of tardiness in each building for each of the past five years. The Straw school again leads in the matter of promptness, having had during the year but forty-two tardinesses among two hundred and fifty-one pupils. The Wilson, Chandler, Varney, Main street and Bakersville schools also deserve honorable mention in this respect.

TABLE NO. I.

SCHOOLS.	PER CENT OF TARDINESSES.				
	1903	1904	1905	1906	1907
High	1.16+	.84+	.91+	.69+	1.05+
Franklin-street .....	.49+	.45+	.45+	.52+	.66+
Lincoln-street .....	.73+	.46+	.38+	.52+	.55+
Ash-street.....	.24+	.23+	.25+	.25+	.30+
Varney .....	.22+	.14+	.22+	.26+	.22+
Webster street.....	.29+	.31+	.36+	.44+	.32+
Bakersville .....	.48+	.48+	.35+	.41+	.28+
Hallsville .....	.66+	.43+	.49+	.60+	.45+
Rimmon.....	.47+	.66+	.60+	.67+	.81+
Wilson.....	.38+	.18-	.25+	.19+	.17+
Parker.....	.23+	.32-	.25+	.22+	.28+
Straw .....	.47+	.34+	.22+	.07+	.05+
Spring street.....	1.00+	.55+	.46+	.61+	.32+
Amoskeag.....	2.09+	1.68+	1.40+	.93+	.76+
Merrimack-street.....	.73+	.89+	.59+	.42+	.43+
Main-street.....	.25+	.23+	.18+	.26+	.24+
Pearl-street .....	.54+	1.08+	.46+	.45+	.56+
Highland.....	.45+	.46+	.40+	.62+	.75+
Goffe's Falls.....	.57+	.90+	.78+	1.64+	1.62+
Chandler.....	.....	.....	.....	.....	.19+
Ungraded	3.43+	2.02+	3.10+	2.94+	2.17+

An inspection of the attendance reports of the different grades reveals the fact that tardinesses are more numerous per pupil the higher the grade of school, the primary schools having fewest per pupil, and the high school the largest number per pupil.

I believe that three tenths of one per cent is a fair allowance for tardiness for any school, if the ungraded suburban schools be excepted.

CHANGES AND TRANSFERS.

The following teachers have tendered their resignations to the board during the year: Mr. Arthur E. Buck and Miss Nellie Pickering of the high school, Miss Carrie E. Hoit of the Franklin-street, Mr. Louis H. Bailey of the Lincoln-street, Misses Lora E. Hill and Ellen E. Connor of the Ash-street, Misses Josephine W. Page, Luna A. Whitlock, Annabelle F. Landers and Nancy B. Kimball of the Webster-street, Miss Ella F. Barker of the Hallsville, Miss Lettie M. Smith of the Straw school, Misses Caroline E. Wing and Grace M. Phillips of the training school, and Miss Warren of the Stark district school.

These vacancies have been filled by elections and transfers as follows: Mr. Charles H. Bates was elected to the high school vice Mr. Buck and Mrs. M. S. Bennett was elected substitute for the remainder of the year for Miss Pickering. Miss Kimball was transferred from the Franklin-street to fill the vacancy caused by the resignation of Miss Whitlock, her position in turn being filled by the election of Miss Daisy Flanders. Miss Lillian Whitney of the Bakersville school was elected to teach the second division at the Franklin-street building in place of Miss Hoit, her position being in turn filled by the election of Miss Lillian McGrath. The vacancy caused by the resignation of Miss Hill at the Ash-street was filled by the transfer of Miss Bell R. Daniels of the Lincoln-street, this vacancy being in turn filled by the transfer of Miss Buzzell of the Amoskeag school, the vacancy at the Amoskeag being filled by the transfer of Miss Blanche L. Batchelder of the Highland school, her former position being filled by the election of Miss Annabelle Wyman. The vacancy caused by Mr. Bailey's retirement was filled by the election of Mr. A. H. M. Curtis of Portsmouth. The vacancy caused by the resignation of Miss Connor was filled by the transfer of Miss Emma J. Cooper from the higher middle grade to the fourth division, Miss Marjorie Woodbury being in turn advanced one grade in the same building, and the resulting vacancy filled by the transfer of Miss Alice Good of the Amoskeag school, her position being in turn filled by the election of Miss May Woodcock. Miss Maud Lamprey was elected master's assistant in place of Miss Josephine Page of the Webster-street school, Miss Jennie Russell of the Hallsville school transferred to the vacancy thus created, and Miss Vivian Matthews elected assistant in the higher primary school at the Hallsville building vice Miss Russell. Miss Nettie Baker

was elected to the second division of the Webster-street school in place of Miss Kimball resigned, and Miss Sarah McKelvie elected to the lower primary of the same building in place of Miss Landers, also resigned. Miss Millie Morse of the Wilson school was transferred to be master's assistant at the Hallsville school, vice Miss Barker, Miss Morse's school being in turn taken by Miss Helen Haskell.

Miss Laura Gould was elected to the vacancy in the Straw building caused by the resignation of Miss Lettie Smith. Miss Sarah J. Rogers was elected principal of the training school in place of Miss Wing, resigned. Miss Isabelle Houlston was transferred from the Spring-street kindergarten to the new Parker school kindergarten, and Miss Ethel Jones elected as her assistant. Miss Grace Carr was promoted to be principal of the Spring-street kindergarten and Miss Marion Ryan elected as her assistant. The vacancy in the Main-street building was filled by the promotion of Misses Sturtevant, Walsh, and O'Dowd, and the transfer of Miss Myrtle Slager from the Youngsville school, her place being filled by the transfer of Miss Blanche Corning from the Webster's Mills school. Miss Clydie M. Flanders was elected teacher of the Webster's Mills school. Miss Gertrude Mitchell was elected to fill the vacancy in the Parker building caused by the transfer of Miss Wyman. The vacancy in the Amoskeag school caused by the death of Miss Abbott was filled by the election of Miss Edna Merrill. The vacancy in the Stark District school was filled by the election of Miss Edna Merrill. The vacancy in the Stark District school was filled by the election of Miss Henrietta Wilder.

ACCOMMODATIONS.

School accommodations in two sections of the city are inadequate. From one of these sections, the Youngsville District, this board has received a petition setting forth the facts in regard to membership and attendance and requesting that a new school building to contain at least two rooms be provided for the district. The request is most just and reasonable. The board has referred the matter to the city council for an appropriation. It is earnestly to be desired that the council shall make such an appropriation.

For seven years the primary rooms in the Hallsville building have been crowded far beyond their normal capacity in order to provide schooling for the children of the district. A special committee of the school board, appointed in the year 1900 to investigate the matter, recommended that an appropriation of ten thousand dollars be asked for from the city government for the purpose of erecting a four-room addition to the building on the east side of the present lot. The committee urged this upon the ground that no additional land would have to be purchased, and on the ground of economy in administration. The reports of this body for each succeeding year down to the present time have referred to the crowded condition of the school

and urged measures for relief. During the school year ending in June last one hundred seventy-one pupils were enrolled in two rooms, and the average membership was one hundred and twenty-four. During the term just closed one hundred and twenty-five pupils have been enrolled in these rooms. In addition to this enrollment the next higher grade, designed for a middle school, has been lowered so as to become a straight higher primary room. The present arrangement, as will be seen, interferes with the proper grading of the school. Five lady teachers, one half of the force of the building, are employed in primary work. The school report for 1902 presented an argument showing that at that time there could have been saved annually by the erection of an addition to the building the income of ten thousand dollars at five per cent, or interest upon the cost of construction.

The report for the year 1904 contained the statement that one thousand seventy-five dollars in rent and teachers' salaries might have been saved up to that time by the erection of an addition to the building. In 1905, an additional room of forty pupils would have afforded relief, but would not have assured proper grading. Two rooms are now necessary to assure this latter. Too many pupils in a room are a menace to health and render school work less efficient. I urge upon you the propriety of making this matter the subject of a special communication to the city council.

EVENING SCHOOLS.

The attendance reports of the evening common schools show material increases in membership and by inference greater interest in their work by the pupils attending.

The average membership has been three hundred and sixty-seven and the average attendance three hundred and five. Twenty-two teachers have been employed and \$1,623.75 expended in supporting the school. The cost per pupil has been \$4.45 for the term, or seven and six tenths cents per night for each pupil. The books in use in these schools are badly worn and should be almost entirely renewed at the opening of the next term. In no other schools is the personality of the teacher so strong a factor in securing regularity of attendance as in these. The personal interest of teacher in pupil and the fact that the teacher is giving of himself attracts and holds many for the full term. This fact should be taken into account in the selection of teachers for this work.

As has been said before, the work in these schools is extremely elementary, comparatively few returning for a second term. This fact would seem to show that the practical value of the school, the value in dollars and cents to the pupil, is comparatively small. The establishment of what would be practically a trade evening school would, I believe, hold some pupils for a complete course and attract others who do not now attend. The practical value would be apparent in

increased efficiency and increased earnings. The value of the evening drawing school is great and is, I believe, appreciated by those who attend. The course is an eminently practical one, and is taught by competent and practical teachers, and for these reasons pupils attend continuously and complete the course.

TRAINING SCHOOL FOR TEACHERS.

By vote of the school board this institution will be discontinued as such at the close of the present school year, although the building will still be used for a lower grade school. Miss Caroline E. Wing, who had served the city most ably and efficiently as principal from 1887 until 1907, a period of twenty years, saw fit at the close of the last school year to tender her resignation to this body. Miss Grace Phillips, assistant principal, had previously tendered her resignation and the same had been accepted. The occasion was most opportune for a consideration of the advisability of abolishing the school, and it was accordingly so voted. The board has been fortunate in securing the services of Miss Sarah J. Rogers, a lady of wide educational experience, to conduct the school for one year. A competent assistant should be secured to aid in this work. To secure such an assistant has been a difficult matter because of the brevity of the term of service. Teachers competent to undertake so important a post are already well placed, are reasonably secure in their positions and will not change, since no guarantee of employment for the following year can be given. The report of the school board for the year 1896 contains an historical sketch of the school from the date of its organization up to that year. The report of next year should complete that sketch that the record of the school may be complete.

HIGH SCHOOL.

In the high school course but four studies are prescribed and required of every pupil, i. e., are compulsory, the remainder are elective or optional. These required studies are English, geometry, algebra and American history and government. On the program of studies there appear but fifteen periods of required, prepared work in English. I have taken the liberty during the present year of increasing this by one period, the work of this period to be done under the supervision of the teacher. This accordingly gives sixteen periods in English for the present year. As you are aware, in order to be eligible to receive students from surrounding towns, tuition being paid by the respective towns, it is necessary that the school should have the approval of the state superintendent of public instruction. After receiving the report of the school for last year, the state superintendent, in his acknowledgment of the same, comments very favorably upon the range and conception of the work as expressed, particularly in the report on classics, modern languages, mathematics,

science, and commerce. He then calls attention to the fact that English is not placed upon the same footing as some other subjects, and states that the experience of the last two years is making it more and more evident that thoroughly adequate work for English, both composition and literature as well as technical language study, means a time allowance equal to the highest time allowance given to any subject, and he further adds that he has in general declined to approve schools unless they would provide as much English as Latin. Latin in our program offers twenty periods to the pupil electing the same for the whole course. The same is true of history. Science offers nineteen periods. The criticism of the state superintendent is well made.

I recommend that five periods a week in English be prescribed for each year of the high school course. Not all of this need be of prepared work, one or two periods per week may well be done in school under the immediate direction and supervision of the teachers.

The average membership of the high school for last year was four hundred and eighty-three, for the past term it has been five hundred and thirty-three. This large membership has caused a material increase in the size of the classes. A single division in mathematics has more than forty pupils and other divisions are too large to be handled and instructed with the greatest economy. This latter fact, the large size of divisions, coupled with the necessity for more periods of work in the English course, renders it imperative that the board shall increase the teaching force in the school. To secure the greatest degree of efficiency two new instructors should be engaged, and I recommend that this matter be referred to the high school sub-committee, and that the estimate for teachers' salaries include a sum sufficient to pay two additional teachers.

Little more than a year ago a request for apparatus for the physics' course in the school was presented to the board. I recommend that the sum of five hundred dollars be asked of the city council for this purpose.

Mr. Herrick has furnished me with the following data in regard to the business course. The commercial department was inaugurated February 1, 1901, with eighty pupils. Two hundred and thirty-five different pupils are now doing work in the department. The business studies are commercial arithmetic, elementary and advanced book-keeping, commercial geography, penmanship, stenography and type-writing, English, spelling and American history. Mr. Herrick has furnished me also with a list of one hundred and one pupils placed with business houses. The pupils start work at an average salary of six dollars per week, and are raised to eight, ten or twelve dollars generally within the year. He informs me that he needs a manual of instruction in "Business English" for these classes.

In an institution of more than five hundred pupils, larger than many of the colleges of twenty-five years ago, it is of course impossible

that one teacher in all cases shall instruct all the pupils in any one subject. In some cases it is not even possible for one teacher to instruct all the pupils in one class in a single subject. Under such conditions there is need for a close co-operation of teachers of the same matter, especially of different teachers of the members of one class in the same study. It is necessary that the work shall be laid down somewhat in detail and that the plan adopted shall be followed closely. This does not mean a uniformity of method in teaching, but it does mean a uniformity in facts taught. It would be most unwise to say that a lesson must be taught a certain way. It is most wise to say such and such lessons shall be taught. Accordingly the planning of work definitely interferes in no way with the individuality of the teacher in the presentation of her facts.

To bring about this close co-operation of teachers in the work covered, it would seem desirable and wise that certain teachers, those most fitted for the work, be made the heads of different departments for the planning of work, in order that greater uniformity in matter, not of necessity in method, be secured. The head of a department would of course plan the work in co-operation with the other teachers of the same subject.

As the school increases in size, it will become necessary to adopt some such system. I recommend the adoption of this plan.

KINDERGARTENS.

At the regular meeting of the board in December, 1903, a special committee of five was appointed to investigate the matter of public kindergartens. Upon the recommendation of this committee, the board voted to assume charge of the Spring-street kindergarten formerly supported by the Manchester Kindergarten Association. For two and one half years this was the sole school of this character maintained by the city. In September, 1906, one additional kindergarten was opened in the Chandler school. In September of the present year, a third school was opened in the Parker building. Three such schools are now maintained at the public expense. A good kindergarten, like a good graded school, is above price. Arguments in favor of this beginning of systematic education have already been advanced in these reports. I recommend the opening of an additional kindergarten in the Straw building. The expense will probably not exceed three hundred dollars, and I suggest that the finance committee be instructed to include this amount in their estimate of expenses for the year 1908.

SCHOOL SAVINGS BANKS.

It is a trite saying that we learn to do by doing. Whatever trains to economy and prudence is worthy of consideration and encouragement. In 1885 there was tried in Long Island City an experiment

whereby pupils in the public schools were encouraged to save their pennies and deposit them with the school authorities, who in turn placed them in a local savings bank. The plan has been somewhat widely adopted. Three years ago Mr. William H. Huse, master of the Hallsville school, inaugurated such a system. I give you Mr. Huse's experience in the matter. The bank has been in operation three years, the amount deposited has been \$963.33, amount withdrawn \$898.93, balance in school bank \$64.40. I quote from Mr. Huse: "Most of the money withdrawn has been deposited in the savings banks of the city, it being understood that the purpose of the school bank is to deposit the money in the savings bank as soon as a dollar has accumulated. Most of the children do this. Occasionally the child wishes the money to remain in the school bank, withdrawing it after a while for music lessons, clothing or other purpose. The deposits are made on Mondays, when the children bring their cards and envelopes to the principal's office and leave them with their deposits in the envelopes. The entries are made on the cards and the day book at the convenience of the principal during the day and the cards distributed. This arrangement does not interfere with the work of the rooms in any way." I recommend this matter to the consideration of the board.

REPAIRS.

The sum of eight thousand dollars was appropriated for the purpose of ordinary repairs upon the twenty-six school buildings of the city. The demolition of a portion of the Main-street building during a severe thunder storm in the month of July called for an extraordinary expenditure of about twelve hundred dollars to repair the damage. This prevented the making of some improvements contemplated by the committee and caused a revision of their plans. The laying of new floors and the renovating of the interiors of the buildings have been followed out as heretofore so far as the appropriation has permitted. The largest expenditure on any single building for this purpose was made upon the Lincoln-street school, the walls of all the rooms being retinted and all the desks and standing work being refinished.

Plumbing, steam fitting and the repair of roofs are costly items and make but a small display in the general result. The heating apparatus at the Varney school is complicated and annually consumes a quantity of coal disproportionate to the size of the building. Economy would dictate the installing of a steam plant in place of the nine furnaces now used in heating and ventilating the building. New boilers have been needed for some time at the Webster and Main-street schools. A cellar should be dug under the manual training school and necessary repairs to the building be made.

It will be generally conceded that it pays to keep buildings in good repair, that it is economy in dollars and cents. The committee feel

that a sum in excess of that provided last year should be available for their work.

HEALTH.

A circular from the State Department of Public Instruction, under date of September 15, calls the attention of school boards to the matter of instruction in physiology and hygiene. This subject is compulsory in our schools under the present law. The state superintendent states that the primary intention of the lawmakers was undoubtedly to teach the harmful effects of narcotics and stimulants, but he suggests further that the function of the study should be to enable the individual to safeguard himself in some degree from disease, to care for his body, and to learn some common rules in regard to sanitation. The suggestion is most fitting. I believe that a course for the different grades emphasizing cleanliness in person and in surroundings, dealing with simple problems in sanitation, teaching the importance of fresh air, pure water, proper clothing and exercise should be laid down.

The present action of the board in cleansing all the schoolhouses and providing that they shall be kept clean will appeal to all good citizens as being a first step in this line. The abatement of the dust nuisance will render our schoolhouses more healthful and attractive and serve as an object lesson in this matter. The abolition of common drinking cups and the substitution of drinking fountains, whereby the pupil drinks from a flowing jet of water, together with the abolition of the use in common of pencils, erasers, etc., will reduce the liability of contagion in school to a minimum. My own belief is that the use of a common drinking cup has been responsible for the spread of contagion in the schools, where diphtheria epidemics have arisen.

Under the present regulations, every contagious disease occurring in a house where a pupil attending the public school resides is reported to the superintendent of public instruction, and immediate notice is given by him to the school attended by the pupil. Upon the removal of the quarantine from such a house the school is again notified and the pupil readmitted to his classes.

An additional measure can be suggested to render our schools more healthful and that is proper attention to the ventilation of the school rooms. An abundant supply of pure, fresh air means pupils alert and unwearied and tasks completed without fatigue. Its effects are no less noticeable upon teachers themselves. No expenditure of time brings in a greater return than the few moments devoted to ventilating rooms properly.

One other matter in regard to the health of pupils should be called to your attention. I refer to medical inspection and medical supervision of the schools. About two years ago the state of Massachusetts passed a law providing for medical inspection. I believe this

has since been made compulsory. The city of New York has already done much work in this line, and the revelations in regard to the physical condition of pupils have been astonishing. Many children have been found defective in sight and hearing, as well as many found with throat affections. To teach a child intelligently, his physical condition must be taken into account. Money expended for this purpose would be wisely spent. There is this difference between medical inspection and medical supervision, the former may be temporary, the latter is constant. I commend this matter to your consideration.

INDUSTRIAL EDUCATION.

The schools but slowly and tardily reflect the times. The commissioner of education in his survey of the educational field, noting the tendency of the times, remarks that, "We are on a rapidly rising wave of agricultural and industrial education." The public recognizes in part and will come to know more and more fully the fact that education from books alone is imperfect, incomplete and one-sided. On the other hand, practical knowledge alone, i. e., that gained by the experience of the solitary individual, is also narrow, imperfect, and incomplete. The greatest growth and the highest development of the child, for this is what education strives for, are to be secured only by providing opportunities for the exercise and consequent training of all his senses and all of his muscles, for the products of the senses are the raw materials of thought, and these the basis of feeling and the mainspring of willing. In short, the greatest growth and highest development are to be secured by enlarging his experience to the greatest possible degree in addition to instruction from books. The printed word should arouse in the mind a clear conception or image of that for which it stands. Proper sense training alone will insure this clarity of imaging. In so far as these conceptions are vague and indistinct they are without meaning, and in so far does the individual fall short of arriving at the real truth, in so far does he lack the basis for right judgments and right feelings. Education by doing, for this is what industrial education means, aims to supplement and complete the present book education and thus eradicate the defects of present educational methods. The great developer in life is responsibility. Responsibility is concerned with the doing of something. It calls upon all the powers of mind, it develops judgment and produces the wisdom which comes from understanding.

In regard to present educational methods we frequently hear this criticism, that they do not produce such men as were produced in the days of the ungraded district school. As far as book knowledge is concerned and so far as school results per se are concerned, this charge is absurd. So far as the ability to do is concerned, so far as ability to assume responsibility is concerned, and in so far as experience in dealing with things is concerned, this charge is true enough.

But these men have not the school to thank for these latter powers. The home training, the work required and done before and after school, and when school was not in session, and this latter was about half the time, these were the real developers of these boys; these gave them their power of initiative, their self-reliance, their industry and perseverance. In short, book education is one sided; it must be supplemented by doing education. Manual training has been introduced into the school curriculum as a remedy for this defect. Manual training means any form of hand or muscle work employed, from the physiological point of view, for the development of brain areas. The reports of this body in past years have urged the extension of this training. I give a quotation from the report of the year 1901 in regard to this matter:

"It is well nigh impossible to overestimate its importance in the curriculum or its value as a factor in the education of our youth. With a rapidly increasing population and a tendency to cosmopolitan ways, the city fails to furnish to its children that variety of life and interests and those stimuli that come from a contact with nature, from contending with her forces and from observation of her phenomena. The changed conditions of home life in an urban community, where the daily home tasks and responsibilities are practically nil, render it absolutely necessary that some substitute be provided to assist in developing habits of industry, self-reliance and perseverance. One of the most serious criticisms of our public schools today is the failure to develop constructive power. This means, in a broader sense, the power to overcome obstacles, power to fit means to an end, the power to manage and direct efficiently. The study of books alone does not develop this power. Meeting and experiencing natural forces, fashioning inert material into forms of utility and beauty . . . will remedy this defect and inculcate habits of industry, self-reliance and perseverance. More of morality is to be gained from such training than from any other. The accurate, careful workman is the living embodiment of truth."

Some pupils are but little attracted by books and leave school at the earliest opportunity, having secured the merest rudiments of what the school offers. An investigation of this matter of withdrawals in the school report of 1892 revealed the fact that, for the eight years preceding 1892, 65½ per cent of the pupils in the schools were in the middle and primary grades, 27½ per cent in the grammar grades, and 7 per cent in the high school. A similar series of figures for the years 1899-1906, inclusive, shows that 63.1 per cent of the pupils were in the primary grades, 28 per cent in the grammar grades, and 8.9 per cent in the high school. Conditions in this respect are very nearly as they were for the first period of eight years, as shown by these per cents. The greatest loss of pupils occurs between the middle and grammar grades. Later there is a steady decrease between each two

grammar grades, and between the first division of the grammar school and the high school.

These decreases are most certainly due to the fact that the child's powers are not called into activity as they should be, that to many school is distasteful, that the activities are not normal, for interest arises from normal activity. It is the duty of the community to provide for the normal exercise of the child's powers.

The report of 1892 shows the average length of pupilage in the schools to have been 4.17 years. It presents evidence that two thirds of the pupils left school before being sufficiently advanced to enter the grammar grades. Under the law raising the age limit for continuous attendance at school to fourteen years this loss seems at present to be but little more than fifty per cent. These facts show the need of manual and industrial training.

One thousand three hundred and sixty-four pupils entered the high school in the ten classes, 1898-1907. Of these but 701, a little less than 55 per cent, graduated and received their diplomas. I do not know the causes for the withdrawal of these pupils. It is fair to presume that some occurred from lack of interest in book study, and, despite the skill of the teachers, the pupils could not be retained in school. Had the curriculum been able to provide the proper training for the activities of these pupils many of them undoubtedly might have been led through things to books. They might certainly have been made more efficient workers.

Industrial training presents also a strong argument from the utilitarian point of view. A skilled, efficient worker is of much greater value to an employer than the untried novice. The trained worker commands better wages because he earns more for his employer; he earns more because he is trained in the craft, can work with less waste and more quickly. The growth and supremacy of New England in its manufactures has been due in the main to this efficiency on the part of its workers. Its future supremacy is to be maintained only by the most careful and painstaking training of those who will succeed the present workers. We are far from the natural sources of supply and at a good distance from our markets. Given equal efficiency in the workers, the manufactories whose raw materials are at their doors will surely command the markets of the world to the exclusion of those who are more remote. These latter can then only compete at the cost of the worker, that is through a lower wage schedule than is in use in the more favored locality. Rapidity of production and a superior quality of goods maintain New England today in her place in the manufacturing world. It is well to take measures for her future welfare.

The municipality is unable to maintain manufactories for the training of workmen, but it may co-operate with those industries already well established in such a way as to give pupils in the public schools

an opportunity to learn the processes of the business, thus enabling them to work more intelligently and efficiently and to command higher wages when the time arrives for each to give up the formal school work. The labor performed should be a part of the work of the school. Some time from the school hours should be given to it, and a little more taken for it by the pupil outside of school hours. Not one process but many should be learned by the same pupil. This plan should not arouse antagonism from any source, for the more efficient the worker the better for all concerned.

The school report for 1901 urges the establishment of manual training in the high school, that for 1903 urged the extension of manual training to pupils of the third and fourth divisions. I am of the opinion that this training should begin even lower down in the grades with the end in view of stopping the great loss of pupils between the middle and grammar schools. Its introduction into the high school, rating the work performed as one or more studies and giving it the value set upon the most favored study or studies, might serve to keep in school and educate more fully some who now leave. The high school has ample power and ample room in its spacious, well-lighted basement for the equipment of a mechanic arts course. Mr. Browne of the manual training school has, at my request, drawn up a schedule of the machinery and tools necessary for that purpose. The total cost of lathes and tools would be \$1,412. This does not include the labor of installation. Such an equipment would accommodate sixty pupils.

A course in household arts, cooking, sewing, housekeeping, should also be offered for the benefit of the girls in the schools. They will be the homekeepers of the future. Reports for the year 1901 and 1904 deal with this matter at some length. I urge it upon your consideration.

Respectfully submitted,

CHARLES W. BICKFORD,

Superintendent.

APPENDIX.

- I. POPULATION, ETC.
- II. SCHOOLHOUSES.
- III. SCHOOLS.
- IV. TEACHERS.
- V. ATTENDANCE TABLES.
- VI. TRUANCY.
- VII. FINANCE.
- VIII. SCHOOL YEAR, 1906-1907.
- IX. HIGH SCHOOL GRADUATES.
- X. WINNERS OF CLARKE PRIZES.
- XI. ORGANIZATION OF COMMITTEES, 1908.
- XII. LIST OF TEACHERS, 1908.
- XIII. SCHOOL YEAR, 1907-1908.

APPENDIX.

STATISTICS.

I. Population.

Population of the city by last census, 1900.....	56,987
Legal school age, 5 to 21.	

II. Schoolhouses.

Number of schoolhouses in use.....	26
Number of schoolhouses not in use.....	0
Number of schoolrooms used for day schools.....	142
Number of rooms used for high school classes.....	16
Number of rooms used for grammar schools.....	39
Number of rooms used for middle schools.....	31
Number of rooms used for primary schools.....	45
Number of rooms used for partially graded schools.....	1
Number of rooms used for ungraded schools.....	5
Number of rooms used for manual training school.....	3
Number of rooms used for kindergarten.....	2

III. Schools.

(All for both sexes.)

Number of high school buildings.....	1
Number of combined grammar and lower grade (middle and primary) schools	16
Number of combined middle and primary schools.....	3
Number of ungraded schools.....	5
Number of manual training schools (for boys).....	1

IV. Teachers.

Male teachers in the high school.....	5
Female teachers in the high school.....	12

Female teachers in training school.....	2
Male teachers in the grammar schools.....	7
Female teachers in the grammar schools.....	*40
Female teachers in the middle schools.....	†30
Female teachers in the primary schools.....	†44
Female teachers in the partially graded schools.....	1
Female teachers in the ungraded schools.....	6
Female teachers in the kindergarten.....	4
Male teachers in the manual training school.....	3
Special teachers	4
Average number of male teachers.....	17
Average number of female teachers.....	141
Total average number of teachers in day schools.....	158
Male teachers in the evening schools.....	7
Female teachers in the evening schools.....	13
Male teachers in the evening drawing schools.....	2
Average number of male teachers in the evening drawing schools	2

*Six of the 40 masters' assistants.

†Not including training school.

Ash-street, First Division.....	18	39	42	40	94.9	{ Edgar D. Cass, Master. Amelia L. Graupner. Emma L. McLaren. Belle R. Daniels. Ellen E. Connor. Emma J. Cooper. }
“ Second “.....	17	41	38	38	93.0	
“ Third “.....	20	27	45	43	94.7	
“ Fourth “.....	21	25	44	41	93.9	
“ Fourth “.....	25	23	45	41	90.4	
Ash-street totals.....	101	126	217	203	93.5	
Varney, First Division.....	29	21	45	44	96.7	{ George Winch, Master. M. Harriet Williamson. E. Maria Pickey. Ellen E. Mokean. Jennie V. Williamson. }
“ Second “.....	25	26	43	43	94.3	
“ Third “.....	25	28	43	41	94.9	
“ Fourth “.....	30	28	45	43	96.9	
Varney totals.....	109	103	179	171	95.5	
Webster-street, First Division.....	26	26	49	46	94.2	{ John Gault, Master. Josephine W. Page. Alice M. Harmon, substitute. Luna A. Whitlock, two terms. Nancy B. Kimball, one term. Alice M. Lamprey Eva F. Fuson. Clydie M. Flanders, substitute }
“ Second “.....	19	23	40	33	91.8	
“ Third “.....	10	21	30	28	92.3	
“ Fourth “.....	19	13	34	31	91.7	
Webster-street totals.....	74	83	153	143	93.5	
Bakersville, First and Second Divisions.....	20	17	34	32	94.2	{ Lizzie A. Burns, Principal Lelia A. Brooks. Lillian Whitney, assistant. }
“ Third and Fourth Divisions.....	21	12	32	29	90.6	
Bakersville totals.....	41	29	66	61	92.4	
Hallsville, First Division.....	18	24	35	33	93.0	{ William H. Huse, Master. Elia F. Barker. Olive A. Rowe. Flora M. Walker. Mae L. Lovejoy. }
“ Second “.....	29	17	39	36	92.2	
“ Third “.....	18	24	40	38	93.8	
“ Fourth “.....	22	30	37	33	90.3	
Hallsville totals.....	87	95	151	140	92.7	
Rimmon, First and Second Divisions.....	6	9	13	12	94.5	{ Percy N. Folsom, Principal. Blanche E. Hicken, assistant. }
“ Third and Fourth Divisions.....	9	11	17	16	92.6	
Rimmon totals.....	15	20	30	28	93.3	

ATTENDANCE UPON THE VARIOUS DAY SCHOOLS.—Continued.

SCHOOLS.	* Whole number belonging.		Average membership.	Average daily attendance.	Per cent of daily attendance.	TEACHERS.
	Boys.	Girls.				
Wilson, First and Second Divisions.....	16	18	37	35	95.9	{ Barbara B. Joy, Principal. Mary E. McLaren.
" Third Division	23	29	39	36	93.6	Millie S. Morse.
" Fourth "	18	19	33	30	90.6	Harriet H. Richardson
Wilson totals.....	57	66	109	101	92.7	
Parker, Second and Third Divisions	16	14	24	23	97.8	Mary E. Moulton.
" Fourth Division	23	27	46	44	95.3	Mary L. Ayer.
Parker totals.....	39	41	70	67	95.7	
Straw, Third Division.....	17	12	31	30	95.9	Alta C. Willand.
" Fourth " ..	17	22	33	31	92.3	Ada B. Morse.
Straw totals.....	34	34	64	61	95.3	
Main-street, Fourth Division	16	11	32	30	94.8	Mary W. Mitchell.
Amoskeag, Mixed Grammar.....	14	14	26	24	91.4	Blanche L. Bachelder.
Goffe's Falls Mixed Grammar.....	16	15	30	29	96.3	Alice C. Taggart.
Grammar School totals	708	803	1,426	1,332	93.4	
MIDDLE SCHOOLS						
Franklin-street, Mixed	24	21	36	31	85.8	Lura K. Kimpfon.
Lincoln-street, Higher	20	21	35	32	90.8	J. Elizabeth Cate.
" Lower	20	18	33	30	91.2	Bertha A. Allen.
Ash-street, Mixed	17	28	43	39	90.6	Marjorie S. Woodbury.
Varney, Higher	18	20	35	34	93.0	Jennie V. Williamson.
" Lower.....	24	20	39	37	94.3	Nary J. Walsh.
Webster-street, Higher	13	16	25	24	94.3	Jean Gillan.
" Lower.....	24	21	40	39	96.9	Marcie M. Moore.
Bakersville, Higher.....	19	20	31	29	92.6	Mary L. Heath.
" Lower	22	19	36	31	86.9	Augusta S. Downs.

Hallsville, Higher.....	36	39	40	35	89.3	Ina E. Tuttle.
" Lower.....	26	32	51	46	90.9	Bertha L. Kemp.
Rimmon, Higher.....	11	19	33	30	90.2	Mary E. Bulman.
" Lower.....	23	21	39	36	93.1	Isabel Barlow.
Wilson, Higher.....	23	22	39	37	95.3	Florence Richardson.
" Lower.....	24	24	46	42	95.3	Elizabeth H. Callaghan.
Parker, Higher.....	33	18	36	35	95.7	Blanche M. Folsom.
" Lower.....	23	22	40	38	95.6	Gertrude Mitchell.
Straw, Higher.....	13	21	31	29	93.8	Gertrude H. Brooks.
" Lower.....	15	19	28	26	91.8	{ Lettie M. Smith.
Spring-street, Higher.....	15	19	28	26	93.6	{ Laura M. Blood, substitute.
" Lower.....	26	19	36	34	97.6	Annabel Emerson.
Pearl-street, Higher.....	18	14	26	24	95.0	Helen F. Lyons.
" Lower.....	19	13	29	27	93.8	Mary G. Tynan.
Chandler Higher.....	19	22	39	36	93.5	Nellie M. Smith.
" Lower.....	25	15	34	32	95.1	Hellen Morison.
Merrimack-street, Mixed.....	16	15	29	25	86.6	Hattie S. Tuttle.
Main-street, Higher.....	97	23	45	42	92.9	{ C. E. Wing, Principal.
" Lower.....	22	19	42	40	93.6	{ Grace A. Phillips, Assistant.
Amoskeag, Mixed.....	14	24	37	34	90.8	Hattie O. Willard.
Goffe's Falls, Mixed.....	16	16	27	25	94.4	Florence Prescott, substitute.
						{ Bessie M. Abbott, 1 term.
						{ Edna S. Merrill, 2 terms.
						Edith A. Murphy.
MIDDLE SCHOOLS TOTALS.....	650	642	1,119	1,035	92.6	
PRIMARY SCHOOLS.						
Franklin-street, Higher.....	17	16	35	31	87.8	Josephine L. Riddle.
" Lower.....	22	26	36	31	87.0	Grace M. Whittemore.
Lincoln-street, Higher.....	47	22	39	33	84.7	Alice E. Walsh.
" Lower.....	20	22	42	38	90.1	Theodora Richardson.
Ash-street, Higher.....	31	23	41	35	86.1	Amy E. Davison.
" Lower.....	10	19	29	26	89.9	May F. Nutt.
Varney, Higher.....	23	17	40	35	88.2	Bertha A. Young.
" Lower.....	24	22	41	39	94.2	Bessie F. Leckie.
Webster-street, Higher.....	29	26	36	32	81.2	Annie E. Walsh.
" Lower.....	18	21	35	32	91.6	Agnes M. Woodbury.
Bakersville, Higher.....	21	28	37	32	87.4	Anabelle F. Landers.
" Lower.....	19	30	40	34	84.7	Bessie J. Bartlett.
Hallsville, Higher.....	26	26	32	28	87.6	Kathryn D. McKeon.
" Lower.....	34	49	65	56	85.6	{ Kathryna J. Kennedy.
" Higher.....	49	35	59	51	86.3	{ Jennie Russell.
Rimmon, Higher.....	18	17	30	28	93.2	{ Annie R. Corson.
" Lower.....	14	24	28	25	89.6	{ Ethel A. Nicholson.
Wilson, Higher.....	18	31	36	33	90.8	Katharine A. Frahn.
" Lower.....	23	25	43	39	90.1	M. Eunice Willard.
" Higher.....	35	29	41	38	92.6	Bertha V. Franks.
" Lower.....	35	29	41	38	92.6	Florence L. Abbott.
" Higher.....	35	29	41	38	92.6	Blanche Bryant.

ATTENDANCE UPON THE VARIOUS DAY SCHOOLS—Continued.

SCHOOLS.	*Whole number belonging.		Average membership.	Average daily attendance.	Per cent of daily attendance.	TEACHERS.
	Boys.	Girls.				
Parker, Higher.....	29	16	39	38	95.1	Eda M. Barr.
" Lower.....	24	28	45	41	90.8	Alice B. Morrill.
Straw, Higher.....	30	28	41	36	89.3	Maude E. Winegar.
" Lower.....	98	28	35	33	91.6	Nellie M. James.
" Lower.....	26	23	42	40	33.1	Florence H. Moore.
Spring-street, Higher.....	28	30	40	35	87.6	Edith M. Stebbins.
" Lower.....	23	23	36	33	90.6	Mary A. Brennan.
Merrimack-street, Higher.....	51	30	43	38	85.7	Sarah B. Dunbar.
" Lower.....	23	24	37	32	84.8	C. E. Wing, Principal.
" Lower.....	30	29	42	37	88.4	Grace A. Phillips, assistant.
" Lower.....	44	43	50	41	82.4	M. Minnie Sturtevant.
Main-street, Higher.....	13	28	43	40	92.4	Kate T. Clarke.
" Higher.....	23	25	40	38	93.9	Elizabeth Walsh.
" Lower.....	33	15	32	30	92.1	Mary H. O'Dowd.
" Lower.....	26	23	37	34	92.6	Clara V. Clement.
" Lower.....	24	26	34	30	88.9	Florence Abbott.
Pearl-street, Higher.....	93	16	33	30	90.8	Nellie F. Dunnington.
" Lower.....	26	19	36	34	92.5	Ede B. Shand.
Chandler, Higher.....	27	15	36	34	92.7	Amy K. Northrup.
" Higher.....	20	30	44	41	92.8	Agnes Shay.
" Lower.....	27	19	41	38	92.1	Hulda C. Graupner.
Highland, Mixed.....	38	24	41	35	86.2	Lanrette McKeandree.
Amoskeag, Mixed.....	25	18	32	28	87.1	Alice E. Good.
Goff's Falls, Mixed.....	23	25	36	32	89.7	Jennie R. McLaughlin.
" Lower.....	17	15	24	21	80.7	
Primary School Totals.....	1191	1109	1744	1565		
PARTIALLY GRADED SCHOOL.						
Highland.....	14	24	32	30	93.4	Annabel D. Wyman.
UNGRADED SCHOOLS.						
Stark District.....	16	9	22	20	90.4	Inez M. Warren.

Harvey District.....	21	13	30	24	81.5	Emma J. Ela.
Youngsville.	32	32	42	36	88.2	{ Mary E. Stevens.
Webster's Mills. .	7	9	9	7	77.6	{ Myrtle B. Slager, assistant.
Mosquito Pond.....	12	9	20	18	88.1	{ Blanche L. Corning.
Ungraded School Totals.....	88	72	123	105	85.4	{ Marion F. Partridge.
KINDERGARTENS.						
Spring-street.....	21	16	31	27	87.7	{ Isabelle Houliston.
Chandler.....	20	33	37	32	86.0	{ Grace M. Carr.
Kindergarten totals.....	41	49	68	59	86.8	{ Mabel B. Currier.
Aggregate totals for 1907.....	2980	2994	4995	4589	91.9	{ Jennett M. Bartlette.
Aggregate totals for 1906.....	2857	2846	4907	4531	92.3	

* Exclusive of duplicate enrollment, no account being made of pupils received by promotion or transfer from other of the city schools.

DAY SCHOOLS.

Summary of attendance upon the several grades of public day schools for the year 1906-1907.

GRADES.	Whole number of different pupils.		Average membership.	Average daily attendance.	Per cent of daily attendance.
	Boys.	Girls.			
High	228	295	483	462	95.5
Grammar.....	768	803	1,426	1,332	93.4
Middle.....	650	642	1,119	1,036	92.6
Primary.....	1,191	1,109	1,744	1,565	89.6
Partially graded.....	14	24	32	30	93.4
Ungraded	88	72	123	105	85.4
Kindergarten	41	49	68	59	86.8
Totals, 1907.....	2,980	2,994	4,995	4,589	91.9
Totals, 1906	2,857	2,846	4,907	4,531	92.3

EVENING SCHOOLS.

Summary of attendance upon the several grades of public evening schools for the year 1906-1907.

SCHOOLS.	Whole number of different pupils.		Average membership.	Average daily attendance.	Per cent of daily attendance.
	Boys.	Girls.			
Spring-street	266	.....	150	116	76.9
Franklin-street .....	.....	88	77	72	93.6
Rimmon.....	81	43	100	82	82.1
Drawing schools { Mechanical.. } { Architectural }	64	.....	40	35	85.8
Totals, 1907	411	131	367	305	83.1
Totals, 1906	332	102	301	246	79.0

Evening School Teachers.

A. W. Rowell, principal of Spring-street school, for boys.

Assistants—John J. McAllister, Lawrence A. O'Connor, Joseph Tonery, Minnie Sullivan, Eva B. Larivee, Lizzie Doherty, Genevieve Walsh, and Katherine H. Broadhead.

Honorie J. Crough, principal of Franklin-street school, for girls.

Assistants—Maggie Linen, Josephine Paradise, Susie G. Woodman, and Genevieve B. Wilson.

I. E. Forbes, principal of Rimmon school, for both sexes.

Assistants—Carroll S. King, Charles Carrier, Myra Moore, Adelia Murphy, and Madge Hall.

Evening Drawing Teachers.

John M. Kendall and Henry W. Allen.

TRAINING SCHOOL.

Graduated.			Entered.		
Vivian E. Matthews,	June, '07.	Ella M. Chapman,	Sept., '06.		
Jennie F. McGrath,	" "	Jennie M. Landers,	" "		
Sarah McKelvie,	" "	Lauretta B. Sawtelle,	" "		
Gertrude S. Mitchell,	" "	Mary S. White,	" "		
Jennie Russell,	" "				
May L. Woodcock,	" "				

GENERAL SUMMARY.

The following table presents the main features of interest pertaining to the attendance upon the public schools for the last seven years. Similar tables may be found in reports for 1896 and 1901.

YEARS.	Average number of schools.	Average number of teachers employed.*	Enrolled in public day schools.	Average membership.	Average daily attendance.	Percentage of daily attendance.	Average attendance evening schools.	Graduated from grammar schools.†	Passed grammar schools for high school.†	Entered high school.	Graduated from high school.	Average number belonging to high school.
1900.....	126	135	5,462	4,388	3,993	91.8	179	225	214	152	72	380
1901.....	127	137	5,508	4,552	4,127	90.5	191	189	179	137	69	379
1902.....	129	142	6,123	4,876	4,480	91.9	250	221	211	159	62	390
1903.....	130	146	6,013	4,774	4,338	90.8	196	203	183	137	65	405
1904.....	133	149	5,920	4,889	4,483	91.7	197	237	214	169	80	401
1905.....	133	150	5,841	4,817	4,412	91.6	252	247	226	168	63	423
1906.....	135	152	5,703	4,907	4,531	92.3	246	261	220	161	78	455
1907.....	139	158	5,974	4,995	4,589	91.9	305	255	226	180	78	483

* Including special teachers, principals, assistants, etc.

† And the A class in suburban schools.

VI. Work of Truant Officer.

DATE.	Absentees re- ported.	No. volunta- rily returned.	No. reported caused to at- tend.	No. moved out of city.	No. found sick and unable to attend.	No. otherwise unavoidably detained.	No. not found.
1906.							
September	107	25	45	7	5	23	2
October	172	30	84	3	34	20	1
November	167	23	91	4	20	28	1
December.....	57	11	18	.....	18	9	1
1907.							
January	127	23	41	8	27	26	2
February.	97	17	35	7	15	23	.....
March.....	73	10	15	2	27	19	.....
April.....	80	8	53	4	4	9	2
May.....	125	18	49	8	15	32	3
June.....	130	37	53	11	18	10	1
Totals.....	1,135	202	484	54	183	199	13

Work of Truant Officer.—*Continued.*

DATE.	Truants not enrolled found on streets.	No. of school age found on streets in school hours.	No. of parents visited.	No. temporarily confined at the police station.	No. brought before the court.	Sentenced.
1906.						
September.....	13	127	97			
October.....	12	141	200			
November.....	5	231	197	1		
December.....	2	29	23			
1907.						
January.....	7	95	120	1		
February.....	4	139	127			
March.....	2	127	139			
April.....	15	193	163	1		
May.....	6	177	140			
June.....	..	167	211			
Totals...	66	1426	1417	3		

VII. Finances. 1907.

ITEMS OF ACCOUNT.	Appropriations.	Expenditures.
Repairs of schoolhouses.....	\$ 8,000.00	\$8,024.73
Fuel	10,500.00	11,996.22
Furniture and supplies....	1,800.00	1,900.84
Printing and advertising.....	350.00	333.07
Books and stationery.....	50.00	19.90
Contingent expenses.....	2,700.00	3,058.83
Care of rooms.....	7,800.00	7,809.67
Evening schools.....	1,500.00	1,445.30
Teachers' salaries.....	106,000.00	103,550.36
Evening school—mechanical drawing.....	300.00	275.62
Free text books and apparatus.....	7,000.00	7,180.73
Manual training.....	600.00	593.69
School bell in Amoskeag.....	700.00	.....
Grading Varney school, carried from 1906.....	.....	800.00
New pianos.....	.....	.....
Shaper for Manual Training School.....	275.00	274.63
Cost of city schools.....	\$147,575.00	\$147,293.23

COST OF CITY SCHOOLS.

Expenditures as above specified..... \$147,293.23

Salaries.

Members of the school board.....	220.00
Clerk of board.....	150.00
Superintendent of schools.....	2,300.00
Truant officer	1,000.00
Total	\$150,963.23

Receipts.

Literary fund	\$3,620.35
Tuition and free text-books*.....	1,941.29
	<hr/>
	5,561.64

Net amount raised by taxation..... \$145,401.59

*School Tax from Londonderry, Bedford and Goffstown included.

The city valuation for 1907 is \$36,968,394, and hence the rate of school tax for the year is \$145,401.59, divided by \$36,968,394, or .0039+. Last year the rate was .0040.

VIII. School Year, 1906-1907.

Fall term of fourteen weeks opened September 4, 1906, closed December 14, 1906. Vacation of two weeks.

Winter term of twelve weeks opened December 31, 1907, closed March 22, 1907. Vacation of two weeks.

Spring term of eleven weeks opened April 8, 1907, closed June 21, 1907. Vacation of ten weeks.

Number of school days in the year, 190.

Number of days schools were actually in session, 177½.

IX. High School Graduation.

PROGRAM.

Chorus. "The Heavens Resound".....*Beethoven*.
 SalutatoryGulie Annette Wyman.
 Oration. "Labor and Capital".....Harold Clifton Brown.
 Chorus. (a) "While You Sleep".....*Hadley*.
 (b) "Uncrowned Kings"*Loomis*.
 Class Prophecy.....Maude Alice Avery.
 Chorus. "Santa Lucia"*Italian*.
 Valedictory. "The Building of the Ship".....Beatrice Tasker.
 Presentation of Diplomas.....Mayor Eugene E. Reed.
 Class Ode.

GRADUATES.

Randolph W. Branch.	Nora Danforth.
Harold Clifton Brown.	Sarah Whipple Drew.
J. Willie Chapman.	Elsie Marguerite Dustin.
George Arthur Danforth.	Gladys Mae Elliot.
Melvin Walker Drayton.	Bertha Garland Farwell.
Paul A. Driscoll.	Nancy E. Fitzgerald.
George Francis Dwinell.	Marion Gladys Fritz.
William Livingstone Fisher.	Ethel Eleanor Furman.
John Whitney Foster.	Alice Melissa Gookin.
James Milton Fradd.	Ethell Frances Hardy.
R. Lester Hooper.	Ethel Bernice Hoyt.
Carl Prescott James.	Charlotte Louise Jewell.
Edgar Colby Knowlton.	Gertrude S. Langer.

Jesse J. Lamory.	Louise Emerson Lovell.
Charles Crosby McCauley.	Hattie Grace Magoon.
James Albert Nelson.	Annie Stanton Marston.
Amrose Jennings Nichols.	Marjory H. McDougall.
Harold Frederick Osgood.	Mabel McVicker.
Lewis Albert Partridge.	Vona Madeline Mellen.
Merle Harold Powers.	Lancing Claudine Miller.
Leonard P. Reynolds.	Mildred Gertrude Morey.
Joseph William Russell.	Louise Ena Moulton.
Ralph E. Savory.	Grace Elizabeth Pattee.
Frank M. Sawyer.	Pearl Agnes Reid.
Ernest L. Schultz.	Nettie S. Rennie.
Charles Emile Sylvain.	Florence Robie.
Charles A. Taggart.	Persis Annie Richardson.
Wayland Flint Walch.	Florence May Robinson.
Dorothea Cunningham Africa.	Margaret Ann Sanborn.
Maude Alice Avery.	Florence May Shepard.
Ethel Myra Bartlett.	Mildred Whitney Simons.
Edna Augusta Blood.	Louise Crozier Spence.
Marcia Amelia Chirurg.	Edith Margaret Sturtevant.
Grace Emma Clafin.	Beatrice Tasker.
Delia Bernard Clarke.	Genevieve Ruth Truesdale.
Grace Herrick Coan.	Helen Maria Vittum.
Ruth L. Coburn.	Helen Wakefield Whitten.
Mary Helen Coen.	Alice Elizabeth Wiggin.
Hazel Mae Crooker.	Gulie Annette Wyman.

CLASS OFFICERS.

President, GEORGE F. DWINELL.*Vice-President*, RUTH L. COBURN.*Secretary*, RANDOLPH W. BRANCH.

EXECUTIVE COMMITTEE.

CHARLES A. TAGGART.

JAMES M. FRADD.

CHARLOTTE LOUISE JEWELL.

GRACE ELIZABETH PATTEE.

CLASS ODE.

Air: "Thuringian Folk Song."

WORDS BY RANDOLPH W. BRANCH.

These days have quickly passed

And as we backward gaze,

One tie shall hold us fast

Through all our days.

And though from thee we part,

Deep down in every heart,

These words will be our aid:

"Upward and On."

Now as we stand tonight,
 Here where our ways divide,
 Although our future's bright,
 Whate'er betide
 We e'er must keep in view
 Those words so tried and true,—
 We still must ever press
 Upward and on.

X. Winners of Clarke Prizes.

FOR EXCELLENCE IN ELOCUTION AT CONTEST, JANUARY, 1907.

First prize, \$25, Vera M. McDermott.
 Second prize, \$20, Harold Edward Fife.
 Third prize, \$10, A. Pauline Smith.
 Fourth prize, \$5, Hazel E. Batchelder.

XI. Organization 1908.

SCHOOL COMMITTEE.

EUGENE E. REED, 636 Somerville street,	<i>Ex Officio Chairman.</i>
W. PARKER STRAW, corner Franklin and Pleasant streets,	<i>President of Common Council, ex officio.</i>
EDWARD B. WOODBURY,	<i>Vice-Chairman of the Board.</i>
HARRY L. DAVIS,	<i>Clerk of the Board.</i>

WARD 1.	Elmer D. Goodwin, 5 Stark street. James A. Sayers, 37 Kidder street.
WARD 2.	G. M. Davis, 156 Orange street. Allan M. Wilson, 97 Salmon street.
WARD 3.	Joel S. Daniels, 78 Ash street. Frank L. Downs, 108 Ash street.
WARD 4.	Nathaniel L. Colby, 307 Hanover street. William A. Phinney, 450 Manchester street.
WARD 5.	John F. Lee, 224 Central street. Dennis F. O'Neil, 223 Green street.
WARD 6.	Harry L. Davis, 552 East Spruce street. Maurice Watson, 193 Massabesic street.
WARD 7.	Edward B. Woodbury, 1 Pleasant street. Edson S. Heath, 13 Middle street.
WARD 8.	Walter B. Mitchell, 178 Milford street. Frank A. Cadwell, 142 Douglas street.
WARD 9.	Timothy F. Cronin, 137 Amory street. Arthur L. Prince, 310 Notre Dame avenue.

WARD 10. Francis X. Lyons, Goffe's Falls.
J. H. Rice, 191 Jewett street.

VICE-CHAIRMAN OF THE BOARD.

EDWARD B. WOODBURY.

CLERK OF THE BOARD.

HARRY L. DAVIS.

SUPERINTENDENT OF PUBLIC INSTRUCTION.

CHARLES W. BICKFORD.

SUPERINTENDENT'S CLERK.

FANNIE L. SANBORN.

TRUANT OFFICER.

CURTIS W. DAVIS.

STANDING COMMITTEES.

Finance.—Mayor Reed, Messrs. Straw, H. L. Davis, Woodbury, and Cadwell.

Text-Books.—Messrs. Woodbury, Mitchell, and Wilson.

Music.—Messrs. Sayers, Watson, and Rice.

Drawing.—Messrs. Heath, Cronin, and Goodwin.

Manual Training.—Messrs. O'Neil, Rice, and Heath.

Examination of Teachers.—Messrs. Colby, Lyons, and G. M. Davis.

Fuel.—Mr. Daniels, Mayor Reed, Messrs. Straw, Lee, and Phinney.

Repairs.—Messrs. Downs, Cadwell, and Prince.

Attendance.—Messrs. Goodwin, Sayers, and Wilson.

Health.—Messrs. G. M. Davis, Watson, and Mitchell.

SUB-COMMITTEES.

High.—Messrs. Colby, Heath, Goodwin, Downs, and Cadwell.

Franklin-street.—Messrs. Woodbury, H. L. Davis, and Lee.

Spring-street.—Messrs. O'Neil, Watson, and Woodbury.

Lincoln-street and Youngsville.—Messrs. Goodwin, Lee, and G. M. Davis.

Ash-street and Webster's Mills.—Messrs. Downs, Rice, and Prince.

Webster-street and Stark.—Messrs. G. M. Davis, Mitchell, and O'Neil.

Bakersville and Mosquito Pond.—Messrs. Sayers, Phinney, and Watson.

Varney.—Messrs. Mitchell, O'Neil, and Phinney.

Hallsville and Harvey.—Messrs. H. L. Davis, Daniels, and Sayers.

Rimmon.—Messrs. Cronin, Heath, and Daniels.

Training School.—Messrs. Wilson, Lyons, and Mitchell.

Main-street.—Messrs. Cadwell, Goodwin, and Lyons.

Parker.—Messrs. Prince, G. M. Davis, and Rice.
Wilson.—Messrs. Daniels, Prince, and Wilson.
Straw.—Messrs. Heath, Cronin, and Colby.
Amoskeag.—Messrs. Rice, Wilson, and Downs.
Goffe's Falls and Highland.—Messrs. Lyons, Cadwell, and Mitchell.
Pearl-street.—Messrs. Phinney, Sayers, and Heath.
Chandler.—Messrs. Lee, Woodbury, and Cadwell.
Kindergartens.—Messrs. Watson, Downs, and Cronin.
Evening Schools.—Messrs. Lee, Colby, and H. L. Davis.

XII. List of Teachers.

Giving the name, school, grade of school, and residence of each teacher.

Minimum salary of teachers below the high-school grade, \$350; second year, 400; third year, \$450; fourth year, \$500; fifth year, \$550; sixth year, \$600.

Maximum salary of teachers below the high-school grade: Masters of grammar schools, \$1,500; first assistants, \$625; assistants, \$600; teachers of primary, middle, and suburban schools, \$600.

HIGH SCHOOL.—BEECH STREET.

Master. George H. Libby, 581 Chestnut street.
 Sub-Master. George I. Hopkins, 203 Walnut street.
 Assistants. Harry N. McLaren, 351 Bridge street.
 Allan E. Herrick, 91 Russell street.
 Charles F. Bates, 112 Myrtle street.
 Grace M. Bennett, substitute, 295 Laurel street.
 Marion D. Ames, Lowell street, corner of Union.
 Mary J. Wellington, The Delta.
 Annie W. Colby, 307 Hanover street.
 Mary H. Dowd, 43 High street.
 Winona M. Martin, 435 Hanover street.
 Elsie D. Fairbanks, 527 Hanover street.
 Annie M. Vose, 689 Union street.
 Edith M. Pierce, Goffstown.
 Bertha A. Blanchet, 467 Hanover street.
 Helen I. Buck, 324 Myrtle street.
 Elizabeth Neal, 310 Hanover street.
 Clerk. Josie Vance, 355 Lake avenue.

FRANKLIN-STREET SCHOOL.

Second Floor.—Grammar Grades.

Master. Isaac Huse, 10 Hayes avenue.
 Master's Assistant. Caroline E. Head, 11 Harrison street.

Assistants. Lillian Whitney (2d division), R. F. D. No. 6.
Dasiy E. Flanders (3d division), 714 Beech street.
Nellie C. Parker (4th division), 79 Prospect street.

First Floor.—Lower Grades.

Higher Middle. Mary T. Morrow, 402 Manchester street.
Lower Middle. Josephine L. Riddle, 581 Chestnut street.
Higher Primary. Grace M. Whittemore, 11 Nashua street.
Lower Primary. Alice E. Walsh, 166 North Main street.

LINCOLN-STREET SCHOOL.

Second Floor.—Grammar Grades.

Master. A. H. M. Curtis, 329 Orange street.
Master's Assistant. Cora B. Gilford, 336 Merrimack street.
Assistants. Mary A. Buzzell (2d division), 935 Union street.
Etta L. Stearns (3d division), 367 Hanover street.
Lillian F. Crowther (4th division), 376 Manchester street.

First Floor.—Lower Grades.

Higher Middle. J. Elizabeth Cate, 502 Merrimack street.
Lower Middle. Bertha A. Allen, 196 Lowell street.
Higher Primary. Theodora Richardson, 481 Lincoln street.
Lower Primary. Amy E. Davison, 34 Prospect street.

ASH-STREET SCHOOL.

Second Floor.—Grammar Grades.

Master. Edgar D. Cass, 326 Amherst street.
Master's Assistant. Amelia L. Graupner, 215 Walnut street.
Assistants. Emma L. McLaren (2d division), 351 Bridge street.
Belle R. Daniels (3d division), 586 Beech street.
Emma J. Cooper (4th division), 85 Ash street.

First Floor.—Lower Grades.

Higher Middle. Marjorie S. Woodbury, 1 Pleasant street.
Lower Middle. Alice E. Good, 476 Maple street.
Higher Primary. May F. Nutt, 604 Beech street.
Lower Primary. Bertha A. Young, Candia Road.

WEBSTER-STREET SCHOOL.

Second Floor.—Grammar Grades.

Master. John Gault, 700 Pine street.
Master's Assistant. Alice M. Lamprey, 96 Blodget street.
Assistants. Nettie S. Baker (2d division), 257 Merrimack street.
Jennie Russell (3d division), North River road.
Eva F. Tuson (4th division), 36 Appleton street.

First Floor.—Lower Grades.

Higher Middle. Jean Gillan, 7 West Appleton street.
 Lower Middle. Marcia M. Moore, 88 Liberty street.
 Higher Primary. Agnes M. Woodbury, 1 Pleasant street.
 Lower Primary. Sarah M. McKelvie, 326 Laurel street.

VARNEY SCHOOL.

Second Floor.—Grammar Grades.

Master. George Winch, 804 Beech street.
 Master's Assistant. M. Harriet Williamson, 31 Carroll street.
 Assistant. Esther M. Dickey (2d division), 38 Avon street.

First Floor.—Mixed Grades.

Assistants. Ellen E. McKean (3d division), 33 Ash street.
 Higher Middle. Jennie V. Williamson, 31 Carroll street.
 Lower Middle. Mary J. Walsh, 166 North Main street.
 Higher Primary. Gertrude Adams, 304 Hanover street.
 Lower Primary. Bessie F. Leckie, 337 Milford street.
 Lower Primary. Annie E. Walsh, 166 North Main street.

HALLSVILLE SCHOOL.

Second Floor.—Grammar Grades.

Master. William H. Huse, 210 Young street.
 Master's Assistant. Millicent S. Morse, 963 Valley street.
 Assistants.—Olive A. Rowe (2d division), 118 Walnut street.
 Flora M. Walker (3d division), 146 Jewett street.
 Mae L. Lovejoy (4th division), 9 Elm street.

First Floor.—Lower Grades.

Higher Middle. Ina E. Tuttle, 174 Cypress street.
 Lower Middle. Bertha L. Kemp, 40 Water street.
 Higher Primary. Martha J. Kennedy, 319 Auburn street.
 Assistant. Vivian E. Matthews.
 Lower Primary. Annie R. Corson, 36 Ray street.
 Assistant. Ethel A. Nicholson, 323 Myrtle street.

BAKERSVILLE SCHOOL.

Second Floor.—Mixed Grades.

Principal Elizabeth A. Burns (grammar classes), 214 Calef road.
 Assistants. Lelia A. Brooks, 23 Cheney place.
 Jennie F. McGrath, (4th grammar)* 350 Auburn street.
 Mixed Middle.* Mary L. Heath, 148 Concord street.
 Higher Primary. Augusta S. Downs, 397 Merrimack street.

* Third floor.

First Floor.—Lower Grades.

Mixed Primary. Bessie J. Bartlett, 39 West Merrimack street.

Lower Primary. Kathryn D. McKeon, 279 East Spruce street.

RIMMON SCHOOL.

Second Floor.—Mixed Grades.

Principal. Percy N. Folsom (1st and 2d divisions), 47 Dover street.

Assistant. Blanche E. Hicken (3d and 4th divisions), West Salmon street.

Mixed Middle. Mary E. Bulman, 600 Beech street.

First Floor.—Primary Grades.

Higher Primary. Isabel Barlow, Pine, corner of Myrtle street.

Lower Primary. Katherine A. Frain, 262 Auburn street.

Lower Primary. M. Eunice Willand, 16 Monroe street.

WILSON SCHOOL.

First Floor.

Principal. Barbara B. Joy (higher grammar), 481 Hanover street.

Assistant. Mary E. McLaren, 351 Bridge street.

Higher Primary. Bertha V. Franks, 9 West Merrimack street.

Lower Primary. Florence L. Abbott, 356 Laurel street.

Lower Primary. Blanche L. Bryant, 382 Central street.

Second Floor.

Grammar (3d Division). Helen Haskell, 211 Bridge street.

Grammar (4th Division). Harriet H. Richardson, 481 Lincoln street.

Higher Middle. Florence Richardson, 481 Lincoln street.

Lower Middle. Elizabeth H. Callaghan, 1017 Hayward street.

STRAW SCHOOL.

First Floor.

Principal. Alta C. Willand (3d grammar division), 16 Monroe street.

Higher Primary. Nellie M. James, 709 Pine street.

Lower Primary. Florence H. Moore, 88 Liberty street.

Lower Primary. Edith M. Stebbins, 593 Beech street.

Second Floor.

Grammar. Ada B. Morse (4th division), 401 Central street.

Higher Middle. Gertrude H. Brooks, 435 Hanover street.

Lower Middle. Laura M. Gould, 757 Chestnut street.

*Third floor.

TRAINING SCHOOL.—MERRIMACK STREET, CORNER UNION.

Principal. Sarah J. Rogers, 337 Manchester street.

Head Assistant. Nellie F. Dunnington, 367 Lake avenue.

The principal is also assisted by the sub-teachers, *i. e.*, members of the training class. The school embraces the first five years of school work, in the following grades: lower primary, higher primary, lower middle, and higher middle. There are four rooms.

SPRING-STREET SCHOOL.

Second Floor.—Mixed Grades.

Principal. Annabel Emerson (higher middle), R. F. D., No. 2.

Lower Middle. Helen F. Lyons, 270 Lake avenue.

First Floor.—Mixed Grades.

Higher Primary. Mary A. Brennan, 847 Candia road.

Lower Primary. Sarah B. Dunbar, 538 Lake avenue.

Kindergarten.

Principal. Grace M. Carr, 59 Ash street.

Assistant. Marion Ryan, 360 Manchester street, Nashua N. H.

MAIN-STREET SCHOOL.

Second Floor.—Middle Grades.

Principal. Mary W. Mitchell (4th grammar division), 341 Hanover street.

Higher Middle. Hattie O. Willand, 16 Munroe street.

Lower Middle. M. Minnie Sturtevant, 128 Milford street.

Higher Primary. Elizabeth F. Walsh, 166 North Main street.

First Floor.—Primary Grades.

Higher Primary. Kate T. Clarke, 313 Granite street.

Lower Primary. Mary H. O'Dowd, 703 Pine street.

Lower Primary. Myrtle B. Slager, R. F. D. No. 6.

Lower Primary. Clara V. Clement, 104 Parker street.

PEARL-STREET SCHOOL.

Principal. Mary G. Tynan (lower middle), 235 Pearl street.

Higher Primary. Nellie M. Smith, 1327 Hanover street.

Lower Primary. Florence Abbott, 333 East High street.

Lower Primary. Nellie F. Dunnington, 401 Manchester street.

Substitute. Florence Prescott, 612 Belmont street.

PARKER SCHOOL.

First Floor.

Principal. Mary E. Moulton (grammar), 265 Milford street.
Lower Primary. Alice B. Morrill, 296 Laurel street.
Lower Primary. Maude E. Winegar, 186 Bowman street.

Kindergarten.

Principal. Isabelle Houliston, 81 Parker street.
Assistant. Ethel M. Jones, 144 Bowman street.

Second Floor.

Fourth Division. Mary L. Ayer, 51 Erie street.
Higher Middle. Blanche M. Folsom, 47 Dover street.
Mixed Middle. Gertrude Mitchell, 178 Milford street.
Higher Primary. Eda M. Barr, 16 C street.

CHANDLER SCHOOL.

First Floor.

Principal. Hellen Morison (higher middle), 332 East Spruce street.
Lower Primary. *Agnes Shay, 251 Concord street.
Substitute. Lura K. Kimpton, 267 Hanover street.
Lower Primary. Hulda C. Graupner, 215 Walnut street.

Kindergarten.

Principal. Mabel B. Currier, 225 Bridge street.
Assistant. Jennette M. Bartlett, 250 Harrison street.

Second Floor.

Lower Middle. Harriet S. Tuttle., 154 Lowell street.
Higher Primary. Ede B. Shand, 317 East High street.
Higher Primary. Amy K. Nothrup, 454 Merrimack street.

LOWELL-STREET SCHOOL.

Manual Training.

Manual Training School. Principal Fred E. Browne, 19 South Spring street, Concord, N. H.
Assistants. Arthur W. French, 378 Belmont street.
Guido L. Carpi, 15 Albert street.

PARTIALLY GRADED SCHOOLS.

Amoskeag. Blanche L. Batchelder (grammar and middle), 276 Orange street.

* Granted leave of absence.

Middle. Edna Merrill, 375 Concord street.
 Higher Primary. Bertha H. Marden, 31 Carroll street.
 Lower Primary. May L. Woodcock, 494 Hall street.
 Goffe's Falls. Alice C. Taggart (grammar), 46 Brooklyn avenue.
 Middle Grades. Edith A. Murphy, 162 Winter street.
 Primary Grades. Jennie R. McLaughlin, 196 Cedar street.
 Highland. Annabel D. Wyman (grammar and middle), 685 Hanover street.
 Laurett McKendree (primary grades), 21 South Elm St.

UNGRADED SCHOOLS.

No. 1, Stark. Henrietta G. Wilder, 31 Carroll street.
 2, Harvey. Emma J. Ela, 585 Beech street.
 3, Youngsville. Mary E. Stevens, 341 Hanover street.
 Blanche L. Corning, 521 Lake avenue.
 4, Webster's Mills. Clydie M. Flanders, 452 Pine street.
 5, Mosquito Pond. Marion F. Partridge, 73 Sagamore street.

SPECIAL TEACHERS.

Music. A. J. Abbott, 892 Beech street.
 Maude E. Brown, 18 Brook street.
 Drawing. J. Warren Thyng, 92 Arlington street.
 Annie W. Patten, 254 Laurel street.

JANITORS.

High School.

Charles F. Jack, 55 West Merrimack street.
 Engineer, George H. Jack, 53 Ash street.

Franklin-street and Training Schools.

John S. Avery, 404 Merrimack street.

Lincoln-street and Chandler Schools.

Charles A. Underhill, 226 Merrimack street.

Hallsville and Wilson Schools.

William H. Newry, 319 Central street.

Ash-street and Pearl-street Schools.

Asa M. Smith, 41 Harrison street.

Webster-street and Straw Schools.

William J. Powers, 30 Ray street.

ANNUAL OFFICIAL REPORTS.

Spring-street and Lowell-street Schools.

Charles Berglund, 57 Sagamore street.

Bakersville School.

Edwin N. Baker, 10 Brown avenue.

Highland School.

Marshall N. Badger, 600 South Beech street.

Goffe's Falls School.

Louis Hueber, 2966 Brown avenue.

Varney and Parker Schools.

Joseph H. Buffum, 30 Boynton street.

Main-street and Rimmon Schools.

William F. Henderson, 153 Bowman street.

Amoskeag School.

Charles H. Corey, 49 Pennacook street.

XIII. School Year.—1907-1908.

Fall term opened September 3, 1907, closed December 13, 1907. Vacation of two weeks.

Winter term of twelve weeks opened December 30, 1907, closed March 20, 1908. Vacation of two weeks.

Spring term opened April 6, 1908, closes June 19, 1908. Vacation of twelve weeks.

Fall term opens September 8, 1908. Continues fifteen weeks, closes December 18, 1908. —

REPORT OF THE BOARD OF HEALTH.

REPORT OF THE BOARD OF HEALTH.

To His Honor the Mayor:

The board of health submits the following report for the year 1907:

William K. Robbins was reappointed by the mayor, and at the annual meeting of the board Dr. J. E. A. Lanouette was re-elected president and William K. Robbins clerk.

The appropriation allowed by the city council for carrying on the work of the department during the year was \$10,000.

The expenditures have been as follows:

OFFICE EXPENSES.

Salaries	\$600.00
Labor	3,249.00
Office Furniture	15.75
Printing, postage and stationery.....	172.87
Telephone service	61.43
Express	8.87
Disinfectants	201.59
Antitoxin	948.03
Diphtheria examinations	90.00
Quarantined families	319.38
Carriage hire and carfares.....	338.86
Supplies for laboratory.....	43.62
Gas	10.22
Milk samples	15.49
Legal services	52.00
Autopsy on body of Aldea Cantin.....	81.00
Incidentals	48.57

\$6,256.68

ISOLATION HOSPITAL.

Salary of matron.....	\$192.00
Fuel	419.32
Electric lighting	125.10
Board and nursing.....	2,522.75
Telephone service	66.36
Water	19.00
Repairs and improvements.....	310.42
Furniture and supplies.....	330.24
Labor at hospital.....	17.80

\$4,002.99

SMALLPOX HOSPITAL.

Salary of matron.....	\$360.00
Telephone service	25.00
Medical attendance	10.50
Vaccination	80.72
Water	7.52
	<hr/>
	\$483.74
Total expenditures for 1907.....	\$10,743.41
Amount turned in from milk license fees.....	381.00
Amount turned in from board of patients.....	81.84

The general expenses of the board during the year have exceeded those of 1906 by about five hundred dollars, of which antitoxin, disinfectants and carriage hire, three items solely on account of diphtheria, make up four hundred and fifty dollars, while the extra expense of fifty-two dollars for legal services and eighty-one dollars for autopsy on the body of a child dead of hydrophobia, exceeds the remainder of the increase by over one hundred dollars, and thus brings the usual running expenses perceptibly less than for the previous year.

While the expenses for the smallpox hospital have been approximately the same as last year, the running expenses of the isolation hospital have increased over one thousand dollars on the single item of board and nursing, which indicates that the increase of expense is due solely to the increased use of the hospital.

MEETINGS.

During the year the regular meetings of the board have been held as usual on Tuesday evenings.

Thirty-three regular meetings and four special meetings have been held.

The special meetings are usually for the purpose of inspecting property where insanitary conditions prevail.

In a large majority of such cases a letter from the inspectors to the owners or agents is sufficient to bring about the necessary improvements, but when this fails some action by the board is necessary to accomplish the result.

There has been a decided improvement in the sanitary conditions of tenement property throughout the city during the last few years, and inspections by the board are consequently of less frequent occurrence.

BACTERIOLOGICAL LABORATORY.

That the work of the bacteriological laboratory is appreciated by physicians is shown in the fact that three hundred and twenty-three

examinations for diphtheria were made during 1907, nearly twice as many as have been made in any previous year.

Of the three hundred and twenty-three examinations made one hundred and twelve were positive, or true diphtheria, and two hundred and eleven negative; ninety-two of the negative results were for the discharge of patients.

While the greater part of the work is sent to the state laboratory at Concord, thereby materially decreasing the expense, our own laboratory is fully equipped and ready for service when necessary, and the examinations are made by Dr. A. G. Straw.

PLUMBING INSPECTION.

The work of the plumbing inspector was increased during the year, owing to the building activities, which have been greater than for several years.

The larger number of the new buildings were three, six, nine, and twelve-flat blocks, and in nearly every instance bathrooms supplied with hot and cold water were installed in each flat.

Ten years ago a great many houses had no plumbing whatever, and when new houses were built not one in ten had bathrooms in the tenements or flats.

Property owners had to be forced to connect their house drains with the public sewer and invariably wanted to locate a water closet in the cellar, under some dark stairway, or in some other unsuitable place, where it was sure to become a nuisance in a short time.

Now property owners are clamoring for new sewers, and if they are not provided at once, temporary cesspools are constructed and the house drains are taken care of in that way.

Almost invariably new tenements and flats have separate bathrooms, with all the modern conveniences, located in convenient and sanitary places. This demand for houses with modern and sanitary arrangements is commendable, and cannot fail to bring about better conditions.

The majority of the new buildings were located in the suburbs of the city, thereby requiring considerable time in making inspections.

MILK INSPECTION.

In the inspection of milk, skim milk, and cream we find that, in order to have some system and understanding as to what is a safe and sanitary manner in which to handle milk and its products, some rules and regulations not laid down by the state statutes are necessary, and the board proposes to formulate and adopt some rules early in 1908 in regard to farms, dairies, etc., which will compel them to place upon the market clean milk in clean cans and bottles, delivered at the proper temperature by clean distributors from clean vehicles; also to exclude milk from cattle not in good condition and health, and to guard against the spread of infectious diseases by milk.

In adopting such rules the board hopes, not only to protect the public, but to benefit the producers and dealers by helping them to deliver milk, which will be satisfactory to their customers.

Very few complaints have been received during the year in regard to milk and its products.

This seems to indicate that the citizens are pretty well satisfied with their milk supply.

Such complaints as have been made have been given prompt attention and pains has been taken to ascertain the cause of the trouble.

Several trips have been made into nearby towns and milk samples taken for examination from raisers who supply the Manchester milk dealers. The milk inspector has traced milk below standard directly to these raisers in many instances.

Two cases, one in Merrimack and one in Goffstown, N. H., were prosecuted and fined for adding water to the milk and one dealer in the city suburbs was prosecuted and fined for using formaldehyde to preserve milk.

ISOLATION HOSPITAL.

The isolation hospital, which was enlarged a little more than a year ago, has again proved too small to accommodate the large number of patients seeking admission to the diphtheria ward.

This has been partly on account of the unusual prevalence of the disease, and partly because, since its advantages have become better known, so many patients prefer to go there rather than to submit to the discomfort and inconvenience of being quarantined in their own homes.

In November the smallpox hospital, which has not been in use since it was thoroughly cleaned and renovated, was opened for the accommodation of diphtheria patients. This increased the expense somewhat, as it was necessary to purchase new bedding and supplies.

During the year one hundred and twenty-four cases of diphtheria and twelve cases of scarlet fever were cared for, and forty-four nurses and attendants were accommodated.

The hospital has been in almost constant use, and its advantages have been greatly appreciated by both physicians and patients, especially by those taken from boarding-houses and institutions, where no provision could be made for them.

There is no doubt that a number of the patients treated there would have died had it not been for the good care and nursing and the sanitary surroundings, which they could not have had in their own homes.

Mrs. Carl E. Rydin has continued as matron at the hospital and has filled the position most satisfactorily.

Patients who can afford to pay for their board and nursing, or for their board alone, are expected to sign an agreement to that effect upon entering the hospital, but those who cannot are admitted free of expense.

CONTAGIOUS DISEASES.

During the year there have been two hundred and fifty-five cases of diphtheria and membranous croup, a much larger number than has occurred in any one year since 1885, when the records were first kept.

Notwithstanding the unusual number of cases, there were but twenty-nine deaths, a much smaller percentage than usual, due almost entirely we believe to the early use and increased quantity of anti-toxin.

The cost of this remedy would, in very many cases, place it beyond the reach of the patients, and it has been furnished by the board, upon request of the attending physician, in all such instances.

The prevalence of this disease during the latter part of the year made it necessary to close three of the large schools and to thoroughly clean and disinfect the buildings.

There were thirty-two cases of scarlet fever and no deaths, and thirty-seven cases of typhoid fever and eight deaths during the year.

Eighty deaths have occurred from tuberculosis, a smaller number than for several years past. All houses are now fumigated after the death or removal of a patient ill with this disease.

It will be noticed that of all diseases pneumonia was the most fatal, causing one hundred and thirty deaths. A perusal of the tables of statistics will show many other interesting facts.

In conclusion, we would express to the citizens of Manchester and to the mayor and city government our appreciation of their confidence and of the assistance received from them in discharging the duties of this department.

Respectfully submitted,

J. E. A. LANOUETTE.
WILLIAM K. ROBBINS.
WILLIAM J. STARR.

[illegible]

THE LAST TWENTY YEARS.

1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.
60,000	60,000	60,000	56,987	56,987	56,987	60,000	62,000	62,000	64,000	65,000
1,018	1,001	1,068	1,167	1,131	1,092	1,106	1,006	1,327	1,243	1,220
16.97	16.68	17.80	20.47	19.84	19.12	18.43	16.22	21.40	19.40	18.76
631	521	541	561	554	622	556	477	677	575	594
61.98	52.04	50.65	48.07	43.99	56.95	50.27	47.41	58.55	46.21	48.68
10.50	8.68	9.01	9.84	9.71	10.91	9.26	7.69	10.91	8.98	9.13
226	254	203	244	283	238	225	201	267	264	231
3.77	4.23	3.38	4.28	4.96	4.17	3.75	3.24	4.30	4.12	3.55
110	122	78	119	121	98	92	72	79	69	67
88	73	91	100	81	78	87	87	109	95	80
14	10	10	6	5	12	17	6	12	15	10
29	17	6	8	3	22	17	10	22	30	20
86	45	65	40	38	55	40	31	23	34	53
105	72	113	118	105	120	112	101	132	120	130
64	50	57	77	75	54	73	55	74	79	91
1	9	3	6	9	2	2	1	1	1	.....
12	14	12	12	11	8	10	13	9	5	8
3	3	5	1	.....	.....	1	.....	4	.....	3
13	2	15	3	8	5	5	4	4	17	9
.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....

TABLE No. 2.

MONTHS.	Membranous croup.		Diphtheria.		Typhoid fever.		Measles.		Scarlet fever.		Varioloid.		Small-pox.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January..	2	2	25	2	3	1	1	.....	5	.....	.....	.....	.....	.....	36	5
February..	1	1	16	3	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	18	4
March.....	.....	.....	8	.....	2	.....	38	.....	5	.....	.....	.....	.....	.....	53	..
April.....	.....	.....	11	1	5	3	64	.....	.....	.....	.....	.....	.....	.....	80	4
May	4	2	9	.....	.....	.....	152	2	6	.....	.....	.....	.....	.....	171	4
June.....	1	1	4	2	4	1	197	.....	1	.....	.....	.....	.....	.....	207	4
July.....	1	1	11	1	2	.....	48	1	1	.....	.....	.....	.....	.....	63	3
August....	1	1	18	3	2	1	6	.....	.....	.....	.....	.....	.....	.....	27	5
Septemb'r	1	.....	16	1	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	21	1
October....	.....	.....	22	.....	8	1	.....	.....	4	.....	.....	.....	.....	.....	34	1
November	1	1	67	5	4	.....	1	.....	7	.....	.....	.....	.....	.....	80	6
December	3	.....	33	2	7	1	1	.....	3	.....	.....	.....	.....	.....	47	3
Totals...	15	9	240	20	37	8	513	3	32	.....	.....	.....	.....	.....	837	40

TABLE No. 3.

COMPARISON OF STATISTICS OF CONTAGIOUS AND INFECTIOUS DISEASES FOR THE PAST 23 YEARS.

YEARS.	Membranous croup.		Diphtheria.		Typhoid fever.		Measles.		Scarlet fever.		Varioloid.		Small-pox.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
1885.....	*	*	*	18	*	20	*	5	*	36	*	.....	.....	.....	*	79
1886.....	*	*	*	9	*	12	*	....	*	5	*	.....	.....	.....	*	26
1887.....	*	*	73	17	28	18	94	4	*	9	.....	.....	.....	.....	*	48
1888.....	*	*	126	30	35	12	44	1	187	9	.....	.....	.....	.....	392	52
1889.....	*	*	79	23	36	16	259	5	54	4	.....	.....	.....	.....	428	48
1890.....	*	*	41	9	36	17	63	3	298	6	.....	.....	.....	.....	438	35
1891.....	*	*	21	2	76	18	25	....	89	2	.....	.....	.....	.....	211	22
1892.....	*	*	26	5	33	11	44	2	451	11	.....	.....	.....	.....	554	29
1893.....	*	*	7	1	79	15	110	5	212	2	.....	.....	.....	.....	408	23
1894.....	12	12	42	11	74	21	67	3	223	8	.....	.....	.....	.....	418	55
1895.....	17	11	47	11	73	21	55	4	68	1	.....	.....	.....	.....	260	48
1896.....	17	14	103	28	81	20	500	3	61	1	1	.....	.....	.....	763	66
1897.....	14	10	148	29	78	11	387	3	54	1	.....	.....	.....	.....	681	54
1898.....	10	4	81	17	145	14	88	3	200	9	.....	.....	.....	.....	524	47
1899.....	6	3	50	6	78	12	762	5	130	3	.....	.....	.....	.....	1,026	29
1900.....	8	5	38	8	65	11	827	1	102	6	10	.....	52	.....	1,102	32
1901.....	3	3	18	3	55	11	15	....	48	9	16	.....	178	.....	333	25
1902.....	16	9	135	22	49	8	765	5	33	2	...	.....	28	...	1,026	46
1903.....	26	16	146	17	62	10	112	1	37	2	1	.....	161	.....	545	46
1904.....	15	5	64	10	64	13	69	....	67	1	9	.....	105	1	393	30
1905.....	15	9	132	22	51	9	859	4	53	1	.....	.....	1	...	1,111	45
1906.....	25	13	172	30	32	5	23	....	93	1	.....	.....	.....	.....	345	49
1907.....	15	9	240	20	37	8	513	3	32						837	38

TABLE No. 4.

TABLE SHOWING THE MORTALITY OF THE CITY BY DISEASE
AND BY MONTHS FOR THE YEAR 1907.

CAUSES OF DEATH.	January.	February	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Abcess of brain.....						1		1				1	3
“ liver.....			1										1
“ mastoid.....	1												1
“ neck.....	1												1
“ pelvic.....		1											1
“ renal.....						1							1
“ stomach.....		1									1		1
“ sub.diaphragmatic.....													1
Accident, burned.....						1							1
“ drowned.....							1	1	1				3
“ fall.....			1				1						2
“ fractured skull.....						1	2				2	2	7
“ gun shot wound.....										1			1
“ railroad.....						1		1					2
“ suffocation.....		1					1					1	3
Alcoholism.....	1	2			1	1		1				1	6
Anæmia.....									1	3	2		7
Angina pectoris.....	2			1		1	1				2	1	8
Aneurism.....											1		1
Aortic insufficiency.....								1	1				2
Apoplexy.....	5	8	3	5	1	5	4	6	1	1	2	5	50
Appendicitis.....				1		1							2
Arthritis.....				1			1						2
Asphyxia.....	1		1	1				1	1				5
Asthma.....	1	1								1			3
Ataxia locomotor.....		1											1
Birth injuries.....			1										1
Brain, diseases of.....		1	1	1			1		1			2	7
“ softening of.....	1												1
Bronchitis.....	5	2	3	1	5	3	1	3		2	3	2	31
“ capillary.....	5	2	2	4	2	3			2	1	2		22
Cancer.....	1	1						1					3
“ of bladder.....							1						1
“ breast.....		1											1
“ face.....					1								1
“ intestines.....				1		1			1				3
“ larynx.....							1						1
“ liver.....	1				2	1	1	1			2		8
“ lungs.....			1										1
“ mesentery.....			1										1
“ pectoral.....	1												1
“ rectum.....	1			1	1		1						4
“ stomach.....		1			1			2	1			2	7
“ tongue.....													2
“ uterus.....	1	1		2	2			1	1				8
Cerebritis.....						1							1
Cholera infantum.....						4	21	23	11	5	2	1	67
Colitis entero.....							1	2	1				4
“ ileo.....							2	5					7
Convulsions.....	2		3	2	2	1	4			2	3	3	23
Contusions of head.....								1					1
Croup membranous.....	2	1			2	1	1	1			1		9
“ spasmodic.....										1			1
Cranosis.....	1												1
Cystitis.....						1							1
Debility, infantile.....	2	2	5	1	4	2	4		5	2			27
“ senile.....										1			2
Dentition.....	1	1	1		1			1	1	1			7
Diabetes.....	1										1	1	4
Diphtheria.....	2	3		1		2	1	3	1		5	2	20
Dropsy.....		1				1		1	1			1	5

TABLE No. 4.—Continued.

CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Dysentery.....					2		1	2					5
Electrocution.....											1		1
Embolism of heart.....										1			1
" pulmonary.....		1						1					2
Empyema.....	1									1			1
Empyema.....													1
Endocarditis.....	2		1	2	1			1	1	1	1	1	11
Enteritis.....		1				2	2	1		1			7
" gastro.....		1	1	1			3	6	2	2	1	1	18
Epilepsy.....											1		1
Erysipelas.....													1
Fever, gastric.....										1			1
" rheumatic.....								1					1
" typhoid.....	1			3		1		1		1			8
Fibroma of uterus.....				1			1						2
Fungoides granuloma.....											1		1
Gangrene diabetic.....				1									1
" of leg.....				1	1								2
" senile.....			1		1								2
Gastritis.....					2	1	1		1		1		6
Hæmatemesis.....								1	1		1		1
Hæmoptysis.....													1
Heart, degeneration of.....	1												2
" dilatation of.....	1					1							3
" disease of.....	8	5	5	6	4	6	5	3	2	2	1	2	49
" hypertrophy of.....			1										1
" mitral insufficiency of.....						1							1
" paralysis of.....		1											1
" regurgitation of.....								1	2				3
" rheumatism of.....						1							1
" valvular disease of.....	2		3	4	6	1	4		1	1	6	2	30
Hemiplegia.....				1	1								2
Hemorrhage, abdominal.....							1						1
" intercranial.....	1			1					1				3
" of stomach.....		1											1
" uterine.....								1					1
Hydrocephalus.....						1					1		2
Icterus neonatorum.....	1			2				1				1	5
Indigestion acute.....			1										1
Intestinal obstruction.....						1	1	1					4
La Grippe.....	1	1	1									2	5
Laryngitis.....				1						1			2
Liver, cirrhosis of.....	1	3		2	1			1		1	3	1	13
" malignant disease of.....													1
Lungs, congestion of.....			1		1		1	1	1			2	7
Malformation.....			1	1							1		3
Malnutrition.....		1	2			2	1		2	1	2		11
Mania acute.....										1			1
Marasmus.....	4	5	7	7	5	1	12	9	8	4	5	1	68
Measles.....					2		1						3
Meningitis.....	2	5	9	7		5	3	5	3	2	3	2	46
" cerebro spinal.....	1	1	2	1	3	2	2		1				13
" tubercular.....	2	2	1					1	1			3	10
Myocarditis.....		2		2									8
Nephritis.....		1	5	4	6	4	2	2	2	1	2	1	30
" chr. interstitial.....	1		2						1	1		1	6
Nephrosis pyelo.....					1								1
Neurasthenia.....								1					1
Edema of brain.....										1			1
" larynx.....						1							1
" pulmonary.....	1	1											3
Old age.....	1	3		1		2	2	3	1	2	1	5	21
Paralysis.....	2	3	2		1		1	3	2	1	2		17
Paraplegia.....									1			1	2
Paresis.....		1								1		1	3

TABLE No. 4.—*Continued.*

CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Parturition.....	1			1								1	3
Pericarditis.....			1										1
Peritonitis.....	4	2	3	3			1		2	2	2		19
“ tubercular			1										1
Pertussis.....	3	2		1	1	1	1						9
Pharyngitis tubercular												1	1
Pleurisy.....										1		1	2
Pneumonia.....	14	6	9	14	9	7	6	1	6	4	4	8	88
“ broncho	4	4	3	4	5	2	1	1	2	3	4	2	35
“ pleuro				2		1		1					4
“ typhoid		1	1					1					3
Premature birth.....	5	1	1	2	5	3	4	3	6	4		3	37
Purpura Hemorrhagica.....								1					1
Pyæmia.....												1	1
Pyelitis.....			1										1
Rheumatism.....					1		1						2
Sarcoma of femur.....							1						1
“ of kidney				1									1
Sclerosis arterio.....		1					1	1					3
Scurbutus.....								1					1
Scrofula.....					1								1
Septicæmia.....	2	1	1	1	1		1				1		8
Shock from chloroform.....		1											1
“ surgical		1		1			1			2			5
Stenosis mitral									1			2	4
Stillborn.....	6	7	13	9	5	11	9	7	7	7	5	9	95
Suicide by cutting throat.....	1	1											2
“ by poison		1				1		1			1		4
“ shooting.....					1			1					2
Syphilis congenital.....										1			1
Toxæmia.....		1											1
Tuberculosis.....	1	1	2	2	4	4		2	1	2	2	1	22
“ pulmonary.....	11	7	3	2	6	7	5	3	4	5	2	3	58
Ulcer gastric.....			1										1
Unknown, natural causes.....		1	1					2	2	2	1	2	11
Uræmia.....	1	1	3	1	2	2	2		1	2	3	4	22
Totals.....	124	109	118	118	116	106	131	126	104	87	89	97	1315

REPORT OF THE INSPECTOR OF PLUMBING AND MILK.

Gentlemen of the Board of Health:

I beg to submit the following report of the inspection of milk during the year 1907:

Number of samples milk, skim milk, and cream tested	632
brought in by milk dealers and citizens	152
collected by the inspectors.....	480
sealed duplicate samples demanded and given	0
below standard, April 1 to September 30	14
below standard January 1 to March 31 and October 1 to December 31..	15
letters written to dealers and others.....	56
dealers found selling without a license.....	4
wagons improperly marked.....	14
Average butter fat from January 1 to March 31 and October 1 to December 31.....	3.92 %
Average butter fat from April 1 to September 30.....	3.708%
Average acidity from January 1 to March 31 and October 1 to December 31.....	.140%
Average acidity from April 1 to September 30.....	.146%
Average specific gravity at 60° F. from January 1 to March 31 and October 1 to December 31.....	1.0313
Average specific gravity at 60° F. from April 1 to September 30	1.0302
Average butter fat in thirty-two samples cream.....	37.01%

Every sample was tested for formaldehyde and many additional tests were made for colostrom cells, coloring matter, carbonates, salicylic acid, boric acid, cream thickeners, total solids, milk serum, condensed milk and concentrated milk.

In my opinion a systematic examination of the cow barns and a physical examination of cattle supplying milk to this city would be very valuable. This should be done by a veterinary surgeon, so that any cows which were diseased might not be overlooked.

During the year I have notified several milk dealers to appear before the board for violating the milk laws, and this has proved effective in stopping minor violations.

The number of licenses granted during the year was 290; 100 of these were granted to milkmen, 140 to proprietors of stores, and 50 to people keeping cows and selling milk from their premises.

Three hundred and eighty-one dollars was collected for license fees.

Respectfully submitted,

CARL O. SEAMAN,

Milk Inspector.

PLUMBING FIXTURES SET.

Number of tank water closets.....	748
frost-proof closet, Kelly & McCulloch.....	1
sinks	527
bathtubs	417
washbowls	462
washtrays	176
urinals	13
refrigerators,	4
slophoppers	7
rain leaders.....	86
Other fixtures not classified above.....	28
<hr/>	
Total number of fixtures put in.....	2,469
Number of plumbing notices filed.....	390
water tests of soil pipe made.....	430
stacks of soil pipe made.....	487
smoke tests of soil pipe.....	17
defects and leaks found.....	234
complaints investigated	33
fixtures and pipes found unserviceable and repaired	32
letters written	39

One hundred and eighty-six consultations with owners, tenants, and agents, plumbers, etc., were held.

A total of 1,883 inspections were made of the work during its progress and after its completion.

Plumbers should get their notices for testing and inspection in early, thereby insuring more prompt and effective service. It often happens that I am called a long distance from the office and upon returning find another notice to go back in the same locality, thereby wasting valuable time, which might be saved by sending notices in early.

Respectfully submitted,

CARL O. SEAMAN,

Inspector of Plumbing.

SANITARY INSPECTORS' REPORT.

Gentlemen of the Board of Health:

We beg to submit the following as the report of the work of the sanitary inspectors for the year 1907:

Vaults and privies inspected.....	42
Vaults inspected after cleaning.....	20
Water closets inspected.....	1,349
Urinals inspected	43
Sinks inspected	569
Yards and alleys inspected.....	1,271
Cellars inspected	901
Barns and outbuildings inspected.....	208
Tenements inspected	394
Barn cellars inspected.....	124
Teams and riggings of excavators inspected.....	15
Soaperies and slaughterhouses inspected.....	5
Vaults and privies ordered cleaned or repaired.....	17
Urinals cleaned or repaired.....	29
Yards and alleys cleaned.....	290
Cellars cleaned	249
Barn cellars cleaned.....	15
Sheds, etc., cleaned and inspected.....	62
Tenements cleaned	68
Water-closets cleaned or repaired.....	839
Sinks trapped or repaired.....	124
Leaky drainpipes repaired.....	58
Houses within 100 feet of the public sewer and not connected therewith	8
Filthy hallways and roofs ordered cleaned.....	27

Openings other than leaks in the drainage system were found in 27 places and same were ordered closed by the department.

One hundred and sixty-one bathtubs and washtubs were inspected. Four bathtubs were repaired.

Sewage was found running upon the surface of the ground in 26 places, and such nuisances were abated either by entering the sewer or carrying away in some manner not offensive.

In doing the work of the department it has been necessary to make 3,798 calls and to write 346 letters.

Six hundred and twenty-eight complaints have been investigated.

In 437 cases the inspectors have been able to give relief, and in 59 cases it was found that no cause existed or that same was beyond the control of the department.

Thirty-seven complaints were made against the scavenger service, in each case the proper parties were notified and relief afforded.

Fifty-eight persons were found throwing garbage in the back streets and lake and were warned against the practice.

Private swill collectors have been warned forty-one times to be neater in thir work.

Forty-five dead animals have been properly disposed of.

Eighty-eight hens and small animals have been removed from cellars.

Forty-six swine and cows have been discovered being kept within the sanitary limits of the city without licenses. The same were ordered removed or licenses procured.

Twelve notices have been prepared and served and proper returns made.

Sixty-one catch basins or street cesspools have been inspected, and 15 have been flushed or repaired by order of this department.

A sanitary inspection has been made of 30 bakeshops and 12 stores, and 3 bakeshops and 2 stores have been ordered cleaned. Theaters have been inspected 3 times, circuses 2, and sausage factories 15 times.

The dumps have been inspected 28 times; found insanitary 9 times. One hundred and forty-six nuisances not otherwise classified have been abated through the efforts of this department.

Householders have been given 3 permits to clean their own vaults.

Permits to the number of 1,592 have been granted for the burial and removal of dead bodies, and the returns forwarded to the city registrar.

A statement of mortality has been prepared each month and copies sent to about 300 other towns and cities, to local physicians, etc.

Weekly reports of contagious diseases have been sent to the state board of health at Concord and the Marine hospital service at Washington, D. C. Samples of water, oysters and ice cream were sent to the state laboratory for analysis. Four hundred and eighty samples of milk were collected.

Contagious and infectious diseases have been reported as follows: Measles, 513; diphtheria, 210; typhoid fever, 37; scarlet fever, 32; membranous croup, 15; smallpox, 0; total, 837.

The inspectors were unable to trace the cause in 386 cases, in 444 cases the connection with some previous case was clearly traceable. Seven cases were contracted outside of the city, and in one case it was reasonable to attribute the cause to insanitary surroundings.

In some cases disinfectants were being used and the inspectors ordered their use in other cases. At most of these places instructions were given as to their use, and in many cases the department furnished the disinfectants.

In some cases patients were found well isolated, and in other cases inspectors were obliged to order isolation, and in all cases to give instructions as to the steps to be taken. Twenty people were found breaking quarantine, and 3 were arrested.

Houses were watched to see that the rules of isolation were complied with, and 18 funerals were attended to prevent a too public observance of the same.

One thousand five hundred and ninety-one rooms and 3 schoolhouses where diseases had existed were fumigated by the inspectors.

About 3,000 pamphlets issued by the state board of health have been distributed in localities where contagious diseases existed.

The shores of Lake Massabesic were patrolled by the inspectors on Sundays, holidays, and through the week during the summer season.

Ice fields from which ice was being cut were inspected and several picnics and band concerts were attended to prevent the careless disposal of waste and rubbish in the lake or on its shores.

Respectfully submitted,

JOHN F. LOONEY,

WILLIAM B. BLAKE,

Sanitary Inspectors.

REPORT

OF THE

CHIEF ENGINEER, FIRE DEPARTMENT.

REPORT OF THE FIRE ENGINEER.

CHIEF ENGINEER'S OFFICE,

CENTRAL STATION, NO. 8 VINE STREET.

MANCHESTER, N. H., December 31, 1907.

To His Honor, Eugene E. Reed, Mayor, and Gentlemen of the City Councils:

In compliance with the Laws and Ordinances of the city of Manchester, I herewith submit my twenty-ninth annual report of the Manchester fire department for the year ending December 31, 1907, it being the sixty-second of the city.

During the year of 1907 the department has responded to two hundred and eighty-three (283) alarms, divided as follows: eighty-eight (88) bell alarms, and one hundred and ninety-five (195) still alarms. Of these one was a second alarm, needlessly pulled by some irresponsible person, three (3) bell and four (4) stills were false, and four (4) out-of-town (2—2—2) calls, two of which were for grass fires in the outskirts of the city and two for assistance out of town. August 29, in response to a telephone call from the Hedding Campmeeting Grounds at East Epping, I sent Steamer No. 1, with hose carriage, and Chemical Engine Company No. 1 with horses, and detail of twenty-five men, and September 18 I sent the Chemical Engine Company to Bedford for a fire that consumed Mrs. Martha Woodbury's barn. Steamer No. 2, with combination wagon, drove nearly over to the place, but learning that a sufficient supply of water could not be obtained were ordered back to quarters by Assistant Chief Seaward.

There were ninety-eight (98) chimney fires, thirty-eight (38) grass fires and eleven (11) at city dump.

One hundred and eighty-five (185) of the fires occurred in wooden buildings, and thirty-one (31) in brick buildings.

Have laid 8,353 feet of hose, raised 2,337 feet of ladders, used 58 large chemical tanks, and 175 pony chemical tanks.

The losses for the year have been unusually light, only nine of them aggregating over one thousand dollars, the most extensive loss being that at the Kimball Bros. Carriage factory, which amounted to three thousand eight hundred and eighty-five dollars (\$3,885).

According to the best information obtainable, the following is a summary of the value of property endangered, the amount of insurance carried on same, the amount of losses and the amount of insurance paid:

Value of buildings where losses have occurred.....	\$275,850.00	
Value of contents where losses have occurred.....	69,044.81	
		<u>\$344,894.81</u>
Insurance carried on said building.....	\$178,855.00	
Insurance carried on said contents.....	44,525.00	
		<u>\$223,380.00</u>
Damage to buildings.....	\$12,428.38	
Damage to contents.....	11,126.24	
		<u>\$23,554.62</u>
Insurance paid on buildings.....	\$10,323.30	
Insurance paid on contents.....	8,844.24	
		<u>19,167.54</u>
Total net loss over and above insurance.....	\$4,387.07	

THE MANUAL FORCE

Of the department remains the same as last year and consists of one hundred and sixty-nine (169) men. The alterations on the new Somerville-street station will be completed within two weeks, when a company of four (4) permanent and ten (10) call men will assume control of the apparatus already installed, consisting of a steamer with three-horse hitch, and a new rubber-tired two-horse hose wagon. There will also be an additional permanent substitute driver added.

The following is the assignment of the men:

	Call	Permanent.
1 chief engineer		1
4 assistant engineers.....	4	
Engine Company No. 1.....	11	3
Engine Company No. 2.....	10	4
Engine and Ladder Company No. 3.....	15	5
Engine Company No. 4.....	11	3
Engine and Ladder Company No. 5.....	15	5
Engine and Ladder Company No. 6.....	15	5
Hose Company No. 1.....	11	1
Hose Company No. 2.....	10	2
Hose Company No. 3.....	6	2
Combination No. 2.....	6	2
Aërial Truck No. 1.....	12	3
Chemical No. 1.....	3	2
Spare drivers		2
	<u>129</u>	<u>40</u>

THE APPARATUS

Consists of 6 steam fire engines, 7 hose wagons (two combination chemicals and one with ladders attached), 3 hose carriages with reels, 4 hook and ladder trucks (one an eighty-five foot aerial, carrying other ladders), 1 supply wagon, 8 exercise wagons, 1 chief's wagon, 1 spare one-horse hose carriage, located as follows:

CENTRAL STATION: Two first size Amoskeag steamers, with three-horse hitch, 2 one-horse hose wagons, 1 one-horse hose carriage, 1 aerial truck (three-horse hitch), 1 double (60 gallons) tank chemical engine, 1 supply wagon, 1 exercise wagon, 1 chief's wagon.

NORTH MAIN-STREET STATION: One second-size Amoskeag steamer (three-horse hitch), 1 two-horse combination chemical and hose wagon, 1 old U tank steamer in storage, 1 exercise wagon.

MCGREGORVILLE STATION: One second size Amoskeag steamer, 1 one-horse hose carriage, 1 two-horse hook and ladder truck, 1 exercise wagon.

LAKE AVENUE STATION: One second size Amoskeag steamer, with three-horse hitch, 1 two-horse hose wagon, 1 hook and ladder truck, three-horse hitch, 1 exercise wagon, 1 one-horse hose carriage in storage.

WEBSTER-STREET STATION: One third size Amoskeag steamer, 1 one-horse carriage, 1 two-horse hook and ladder truck, 1 exercise wagon.

MAPLE-STREET STATION: One two-horse hose wagon, 1 exercise wagon.

SOUTH ELM-STREET STATION: One two-horse combination hose wagon, carrying ladders, 1 exercise wagon.

WILSON HILL STATION: One two-horse combination chemical and hose wagon, 1 exercise wagon.

In addition to the foregoing there is 1 hose carriage in Amoskeag on Front street, 1 hose carriage corner Massabesic street and Mammoth road (both volunteer companies), 1 two-wheeled hose carriage, Devonshire Mills, Goffe's Falls, 1 two-wheeled "jumper" in basement of W. P. Farmer's barn cellar, Candia road, corner Hanover street, 5 sleds used as hose sleds in the winter, 1 repair wagon for fire-alarm telegraph.

The new first size Amoskeag steam fire engine recently received from the manufacturer has been placed at the Lake avenue station to take the place of the second size Steamer No. 3, and the latter has been thoroughly overhauled, repaired, painted and "made as good as new," its number changed to No. 7, and placed in the Somerville-street station.

The exercise wagons of Engines 2 and 6 have been repaired and repainted.

The wheels of engines have had some new rims and spokes and have been supplied with heavier tires.

The Riverside (Independent) hose carriage has been repaired and repainted.

The breaking of the axle of the hose wagon of Hose 2 necessitated other repairs and while in the shop it was repainted.

THE BUILDINGS.

The new Somerville-street station, supposed to be completed by the contract for its erection, was far from being suitable or convenient for the purposes for which it was intended, and quite a little labor and expense were required in making changes and alterations before it was available for fire department purposes. It is now nearly completed and will be ready for occupancy in the early part of January.

Engine and Ladder No. 3 station has received some very substantial repairs and is now in excellent condition, and will require but little more attention, except for ordinary repairs for several years.

Engine and Ladder No. 5 station ought to receive the changes suggested in my last report of changing over of the stalls of the truck horses and additional stall to arrange to run a two-horse hose wagon in place of the one-horse hose carriage. By doing away with the hose tower, putting drying racks in the cellar for drying hose, such an arrangement can be made at comparatively small expense. A box stall should also be constructed.

Engine and Ladder No. 6 station ought to be enlarged so as to accommodate an additional horse for a two-horse hose wagon, in place of the present reel. By removing the wardroom in the basement alterations might be made at much less expense, besides furnishing more convenience to the voters on days of election if at some other location.

THE HORSES.

There are now fifty-two (52) horses in the department. The five for Engine Company No. 7 were purchased three weeks ago, and as soon as alterations are completed at that station will go on duty.

FIRE-ALARM TELEGRAPH.

I sincerely hope another year will not pass without having made some progress in placing the fire-alarm wires under ground, for the risk of the overhead system is too great to be much longer continued.

Boxes 116, 117, 29, 242, 243, and 64 have been added to the system, and two more have been ordered and will be placed in commission in the early part of 1908.

CASUALTIES.

February 1, at an alarm from Box 71, Albert W. Tucker sprained ankle in alighting from hose wagon, and was off duty twenty days.

May 22, at an alarm from Box 213, Lyman W. Piper, driver of Truck No. 3, injured side and back; off duty sixty days.

June 25, at an alarm from Box 9, Ernest E. Hubbell, driver of hose of Engine and Ladder Company No. 5, was cut on the hand by falling glass; off duty eleven days.

December 27, at an alarm from Box 8, Frank B. Stevens, a member of Engine Company No. 4, received a compound fracture of the right leg, caused by the horses of Hose No. 2 running away, catching into and dragging the hose in such a manner as to throw Mr. Stevens so violently as to cause a severe injury, necessitating his removal to the Elliot hospital, where he will undoubtedly be confined for many weeks.

June 8, at an alarm from Box 71, caused by a lamp explosion, the wife of Michael Kelley was so severely burned that she died the following day.

THE FIREMEN'S RELIEF ASSOCIATION.

A few of the regular donators have made their annual contributions to this association, and the funds have been further increased by the receipts of the benefit ball given December 6, which amounted to six hundred and thirty-two dollars (\$632).

The financial condition is as follows:

DR.

Balance on hand annual meeting, February 12, 1907.....	\$7,980.44
Received from membership dues.....	193.10
dividends on deposits.....	274.02
benefit ball	632.00
rebate on two overcharges.....	3.00
Donations:	
"Automobilist" Platz	1.00
Reuben H. Cheney	10.00
Jeremiah Hodge	10.00
James W. Hill Co.....	15.00
"A friend"	5.00
B. E. Thompson	5.00
Mrs. Martha N. Hubbard.....	10.00
	<hr/>
	\$9,138.56

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Paid Oscar P. Stone, secretary's salary.....	\$25.00
benefit, Robert H. Duncan.....	21.00
benefit, Emil H. Smith.....	28.00
benefit, Albert W. Tucker.....	22.50
benefit, Capt. Jeremiah Lane.....	28.75
benefit, Ernest E. Hubbell.....	16.00
benefit, Lyman W. Piper.....	66.00

Paid E. E. Castor, druggists' supplies.....	\$1.75	
postal cards and printing.....	6.10	
		<hr/>
		\$215.10
Balance on hand.....		<hr/>
		\$8,923.46

CONCLUSION.

I cannot close this report without again calling your attention to the necessity of placing our fire-alarm wires under ground and earnestly hope immediate attention will be given to it in such a manner that an appropriation will be made the next year in sufficient sum that a greater portion of the wires in the business section may be put into underground conduits.

I would earnestly recommend additional protection for the West Side by locating a new station south of the 'Squog river equipped with hose wagon and light ladder truck, thus relieving Truck 6 from long runs, as well as affording better protection to that fast growing portion of the city.

I would also recommend that our aerial truck be equipped with the Dahill ladder raising device, by which the aerial ladder can be raised and lowered in much quicker time than is possible under the present method.

I would also recommend a tower striker on the Hallsville school-house that the members of the new Engine No. 7 Company may be able to get an alarm.

To my assistant engineers, officers, and men of the department, who have been vigilant and faithful to duty, and the police department for the assistance so cheerfully rendered, I desire to return my grateful thanks.

Respectfully submitted,

THOMAS W. LANE,

Chief of Department.

Number and Location of the Fire Alarm Boxes and Keys.

A KEY IS ATTACHED TO EACH BOX (with few exceptions), and can be had by breaking the glass.

No. 3. American Locomotive Company's lower shop. Keys at offices of gas-works, county jail, Manchester Coal & Ice Company's sheds, and Charles H. Hutchinson's shop.

No. 4. Corner Spruce and Elm street. Keys at Hotel Milford, L. B. Bodwell & Co.'s, Palmer & Garmon's, street railway stables, and office of Blodgett & Young's block.

No. 5. Corner of Merrimack and Elm streets. Keys at Tebbetts & Co.'s and Hanscom's drug stores, Manchester House, and J. W. Hill Company's store.

No. 6. City Hall. Keys at Holland's and Thurston's drug stores, Riddle's block office, and residence of J. L. Brock, 21 Amoskeag Corporation.

No. 7. Police station, corner of Manchester and Chestnut streets. Keys at chief of police's office and with all police officers.

No. 8. Corner Elm and Hollis streets. Keys at Dante Smith's and Leblanc & Provencher's drug stores, and Partridge Brothers' grain store.

No. 9. Corner of Elm and Webster streets. Keys at residence of Mrs. H. D. Corliss, J. Freeman Clough, Dr. E. Fritz, and station of Engine and Ladder No. 5.

No. 12. Corner of North and Pine streets. Keys at residence of George Emerson, Walter A. Green, and O. D. Knox.

No. 13. Corner of Brook and Chestnut streets. Keys at residence of Welcome Jencks and Mrs. Lewis Simons, No. 1 Senter's block, and Steele's grocery store.

No. 14. Corner of Prospect and Union streets. Keys at residences of Mrs. W. Ireland, Mrs. George W. Riddle, D. J. Adams, and Mrs. Thomas Morgan.

No. 15. Corner of Pearl and Chestnut streets. Keys at residences of Henry W. Shannon and J. Fred Chalker.

No. 16. Corner of Lowell and Union streets. Keys at residences of Rt. Rev. Bishop Guertin and R. H. Hassam.

No. 17. Corner of Amherst and Beech streets. Keys at residences of Miss Mary A. Watts and Michael Connor.

No. 18. Corner of Manchester and Maple streets. Keys at residences of the late H. E. Stevens, A. N. Baker, and William Perkins' estate.

No. 21. Corner of Merrimack and Pine streets. Keys at A. D. Smith's drug store, J. McKeon's grocery store, A. L. Walker's office, and residence of James F. Gillis.

No. 23. Corner of Central and Beech streets. Keys at the residence of the late Eben T. James.

No. 24. Engine and Ladder Company No. 3 house, corner of Massabesic street and Lake avenue. Keys at residence of D. M. Goodwin and station of Engine and Ladder No. 3.

No. 25. Corner of Hanover and Ashland streets. Keys at residences of George F. Lincoln, A. D. Gooden, and James R. Straw.

No. 26. Corner of Bridge and Russell streets. Keys at McCrillis' carriage shop.

No. 27. Corner of Belmont and Amherst streets. Keys at residences of E. S. Fletcher, Dr. Walter T. Crosby, and Mrs. William Carr.

No. 28. Corner of Merrimack and Beacon streets. Keys at residences of A. L. Garmon and H. B. Fairbanks.

No. 29. Corner of Hall and East High streets.

No. 31. Corner of Canal and Hollis streets. American Locomotive

Company's shop. Keys at office. Amory Mills, Langdon Mills watchrooms.

No. 32. Langdon Mills block, corner of Canal and Brook streets. Keys at the Amoskeag Paper Company's mill, Langdon watchroom, and Electric Light station.

No. 34. Jefferson Mill. Keys at watchroom and pumping station.

No. 35. Stark Mills. Keys at watchroom.

No. 36. Amory Mills. Keys at watchroom.

No. 39. Hillsborough county jail. Keys at office.

No. 41. Amoskeag Mills. Keys at watchroom.

No. 42. Manchester Mills. Keys at watchroom.

No. 43. The Olzendam Mill. Keys at watchroom.

No. 45. The S. C. Forsaith shops. Keys at freight depot and office in building.

No. 51. Corner of Walker and Second streets. Keys at stores of F. Riedel and Henry Wéber.

No. 52. Loxton Block, Granite Square, West Manchester. Keys at Merrimack Hotel, Wiggin-Young grocery, and Engine No. 2.

No. 53. The West Side Lumber Co.'s steam mill. Keys at mill office, I. R. Dewey's tenement block, and Ranno's harness store.

No. 54. Corner of A and South Main streets. Keys at residences of Lord sisters, Neil Fullerton, and grocery store opposite.

No. 56. Mast street, opposite Baldwin's bobbin shop. Keys at Baldwin's office and residences of J. C. Smith, E. P. Littlefield, and with watchman at works.

No. 57. Corner Mast road and D street. Keys at residence of C. H. George, and F. W. Towle's store.

No. 61. Hose No. 3, South Elm street. Keys at Hose house.

No. 62. Manchester Wool & Leather Company's, Brown avenue. Keys at tannery, the Edwin Kennedy house, and Hose 3.

No. 63. Corner Beech street and Titus avenue. Keys at residences of L. E. Carswell and C. L. Wenberg. (No key on box.)

No. 64. Corner Pine and Willow streets. Keys Cohas Shoe factory, the Lincoln House, and Stevens Bros.' Marble Works. (No key on box.)

No. 71. Corner of Cedar and Pine streets. Keys at residences of T. Collins, Daniel Sheehan, Thomas J. Smith, Simon McCarthy.

No. 72. Corner of Lake avenue and Lincoln street. Keys at residences of the late Austin Jenkins and James Briggs.

No. 73. Corner of Beech and Cedar streets. Keys at residences of Rev. J. A. Chevalier and Timothy Carr.

No. 81. Central Fire Station, Vine street. Keys at all the engine rooms.

No. 82. Old City Hotel, corner Lowell and Church streets. Keys at Lowell-street stable and Eames Bros.' drug store.

No. 91. Corner Webster and Beech streets. Keys at Children's

Home and residences of George E. McClintock, Solomon Johnson, M. E. Sanctuary. (No key on box.)

No. 92. Corner Union and Clarke streets. Keys at residences of Mrs. Julia B. Bradford and E. H. Nutting.

No. 93. Corner of Elm and Carpenter streets. Keys at residences of A. H. Weston and Dr. George D. Towne.

No. 112. Corner of Sagamore and Union streets. Keys at residences of W. A. Clarkson, M. D. Johnson, and Charles F. Chase.

No. 113. Corner of Oak and Prospect streets. Keys at residences of Mrs. William B. Abbott, W. N. Johnson, and E. M. Topliff.

No. 114. Corner of Pearl and Ash streets. Keys at residences of John J. Bennett and Mrs. Harriet L. Healey and at Ash street school-house.

No. 115. Corner of Blodget and Ash streets. Keys at residences of James A. Rogers and Cyren Bixby.

No. 116. Corner Salmon and Ash streets. Key at Masonic Home.

No. 117. Corner of Sagamore and Russell streets.

No. 212. Shoe shop, Hallsville. Keys at the office of the shoe factory and residences of Charles C. Chase, G. W. Dearborn, M. V. B. Garland, and the Walter Cody block.

No. 213. Sash and blind factory. South Beech street, junction of Portsmouth railroad. Keys at offices of Derryfield Sash & Blind Company.

No. 214. Elliott silk mill, corner of Wilson and Valley streets. Keys at office and watchroom of mill.

No. 215. Hoyt & Co.'s shoe shop, corner of Lincoln and Silver streets. Keys at offices of shoe shop and Kimball Carriage Company and workshop opposite.

No. 216. Jewett and Somerville streets. Keys at residence of G. H. Hill, 140 Jewett street, and W. B. Brown, 128 Jewett street.

No. 217. Corner Candia road and Massabesic street. Keys at residences of L. M. Streeter, William Gadbois, and Charles P. Still.

No. 218. Corner of Somerville and Hall streets. Keys at residences of Mrs. George Hall and George Kay.

No. 219. Eaton Heights shoe shop, Page street. Keys at shoe shop office and residences of Charles A. Merrill, John P. Young, and Joseph W. Rand. (No key on box.)

No. 241. Lake avenue hill. Key at residence of Charles Davis.

No. 242. Merrimack and Wilson streets. Keys at Assistant Chief C. R. Merrill's and Engine and Ladder Company No. 3.

No. 243. Corner Candia road and Sherburne street. Keys at residences of Fred L. Watts, Alex Oliver, Andrew J. Murray, and Mrs. S. L. Cummings. (No key on box.)

No. 261. Pearl-street grammar school. Keys at schoolroom and residences of C. E. Rose, S. W. Bascom, and Charles W. Cheney.

No. 263. Corner Bridge street and Mammoth road. Keys at residences of Mrs. J. L. Fogg and Hiram Turner. (No key on box.)

No. 312. Corner of Putnam, Main and McGregor streets. Keys at residences of James Spence (309 Main street), Thomas Bolton, and gate No. 11 mill.

No. 313. Corner of Amory and Main streets. Keys at residences of Allen Dean and Lawrence M. Connor, Potvin's drug store, Miville & Co.'s drug store, gate of No. 11 mill, and station of Engine and Ladder No. 6.

No. 314. Manchester Stocking Co., 'Skeag. Keys at office and Riverside Hose house.

No. 315. Old Brick store, 'Skeag. Keys at Riverside Hose house and D. Jameson's residence.

No. 321. Corner of Notre Dame avenue and Wayne street. Keys at Holy Angels convent, the Brothers' school, and residences of E. H. Doherty, and Rev. Father Hevey.

No. 323. Corner of Putnam and Bartlett streets. Keys at P. J. Archambeault's bakery and residence of Mitchell Barry.

No. 324. Amory and Laval streets.

No. 325. Kelly and Cartier streets.

No. 511. Corner of Douglas and Green streets. Keys at residences of Amelia Davis, William A. Tufts, and James Kearns.

No. 512. Corner of Notre Dame avenue and Adams street, West Side.

No. 513. Corner of Milford and Carroll streets. Keys at residences of J. W. Abell, James Ward, and Mrs. Elizabeth Ward.

No. 521. Corner Parker and Winter streets.

No. 541. Corner of Boynton and Allen streets. Keys at residences of Herbert F. Dow, Patrick J. Connor, Charles Tinker, and Benjamin J. Mack.

No. 611. Corner of Hancock street and Boston & Maine Railroad. Keys at offices of True W. Jones' Brewery and Manchester Slaughtering and Rendering Works.

No. 711. Corner of Union and Grove streets.

No. 911. Corner of Union and Trenton streets. Keys at residences of Charles R. Hodge, C. S. Boynton, and Mrs. William R. Varick.

Also keys will be found in the hands of all regular police.

The true time will be given at precisely 12.30 P. M. from Charles A. Trefethen's jewelry store, and will be denoted by one stroke of the fire bells.

Fire Department Telephone Calls.

Chemical Engine, Central Station.....	94
Engine No. 2.....	84— 2
Engine and Ladder No. 3.....	84— 3
Engine and Ladder No. 5.....	64— 2
Engine and Ladder No. 6.....	84— 4

Engine No. 7.....	373
Hose No. 2.....	116— 3
Hose No. 3.....	102—12
Combination No. 2.....	116— 2
Chief Engineer Lane's office.....	94
Chief Engineer Lane's house.....	64— 4
Assistant Chief Merrill's office.....	212
Assistant Chief Seaward's house.....	706—13
Assistant Chief Provost's store.....	1342
Assistant Chief Provost's house.....	531— 2
Assistant Chief Fitzsimmons.....	1255— 2
Two long rings twice call all stations on the line rung.	

Instructions to Keyholders and Citizens.

1. Upon the discovery of a fire, notice should be immediately communicated to the nearest alarm box, the key of which is in a circular box attached to the right side of the fire-alarm box. Keys are also in the hands of all regular police, and generally of persons at the corner or nearest house.

2. Keyholders and others, upon the discovery of a fire, or positive information of a fire, will unlock the box, pull down the hook once as far as it will go (without jerking), and then let go. Shut the door, but do not try to remove the key, as it is locked in by a trap lock, and can only be removed with a release key, which is carried by each of the engineers, and they will, as soon as convenient, release and return it.

3. All persons giving fire alarms are requested to remain by the box a moment, and if no clicking is heard in the box, pull again; if you still hear no clicking, go to the next nearest box and give an alarm from that. **DON'T GIVE A SECOND ALARM** without instructions from an engineer, or officer in charge of the fire.

4. Never signal for fire seen at a distance. Never touch the box except to give an alarm of fire. Give an alarm for no other cause than actual fire. **DON'T GIVE AN ALARM FOR A CHIMNEY FIRE.**

5. Never let the keys go out of your possession unless called for by the chief engineer. *If you change your residence or place of business, where the keys are kept, return the keys to the same officer.*

6. Owners and occupants of buildings are requested to inform themselves of the location of alarm boxes near their property; also all places where the keys are kept. Be sure the alarm is promptly and properly given.

7. Alarms will be sounded upon all the fire-bells in the city, and the number of the box will be given thus: Box 6, six blows, $2\frac{1}{2}$ seconds apart, repeated three times. Box 212, two blows, pause of $6\frac{1}{4}$ seconds, one blow, same pause, and two blows, 2—1—2, repeated three times.

8. The engineers reserve the right to give one stroke of the bells at any time; and in case of testing the boxes, each test will be preceded by one stroke of the bells.

Rules and Regulations in Regard to Responding to Fire Alarms, Etc.

The following rules have been adopted by the board of engineers and the fire department will strictly comply until otherwise ordered, and will attend alarms of fire as per OFFICIAL RUNNING CARD.

RUNNING RULES.

Whenever an alarm is sounded, the members of all companies not called to that box will report to their respective company quarters, and *there remain until dismissed* by the signal of the bells or by an engineer in charge.

In case companies on their first run have responded to an alarm, companies on their second run to the box from which the alarm has been sounded will answer all first-run boxes of the absent companies; and in case engines are out that would respond to another box, then third alarm companies will respond. In case of alarm from a box that does not call for a third alarm, companies on their second run will then answer to all other boxes.

Whenever two trucks answer to first alarm the other truck will answer to all other boxes.

At any time when an alarm of fire is given, the engine, hose carriage or truck that leaves the house first will have the right to lead to the fire. Whenever a horse lags or gives out, drivers should then give others the right of way, so as not to delay the rest of the apparatus. NO RUNNING BY WILL BE ALLOWED, EXCEPT IN CASE OF ACCIDENT, UNDER PENALTY OF DISMISSAL OF THE DRIVER FROM THE DEPARTMENT.

The drivers shall not permit persons not connected with the department to ride upon the apparatus, and in muddy weather or heavy wheeling they shall not permit any one to ride upon their apparatus when returning from fires.

Drivers will take the following routes in responding to alarms on the West Side: For crossing Amoskeag bridge, take Elm street to Salmon, down Salmon and across the bridge. For crossing McGregor bridge take Elm street to Bridge street, down Bridge street and across the bridge. For crossing Granite bridge take Elm street to Granite, down Granite and across the bridge.

Use gongs freely to clear streets and when nearing crossings.

Engineers of steamers will not run over eighty (80) pounds of water pressure, except when orders are received from a member of the board of engineers or the officer in command of the company.

Captains or officers commanding companies will see that the rules and regulations of this department are adhered to; to report any inattention to duty or failure to comply with the rules, or any disobedience of orders, and upon return from alarms will report to headquarters immediately, personally or by telephone, after apparatus is "made up" and ready for duty.

SPECIAL CALLS ON FIRE ALARM.

When more apparatus is wanted, without giving second and third alarms the following special calls will be given:

2—1 for Engine 1.	3—3 for Truck 3.
2—2 for Engine 2.	3—5 for Truck 5.
2—3 for Engine 3.	3—6 for Truck 6.
2—4 for Engine 4.	4—1 for Hose 1.
2—5 for Engine 5.	4—2 for Hose 2.
2—6 for Engine 6.	4—3 for Hose 3.
2—7 for Engine 7.	4—4 for Combination 2.
1—1—1 for Aërial Truck.	

Companies answering "special calls" will wait thirty seconds before leaving quarters, to prevent mistakes.

THIRD ALARM.

ON THIRD ALARM all apparatus will respond.

GENERAL ALARM.

In the event of a fire of such magnitude that second and third alarms are needed, a general alarm will be given by striking TEN BLOWS, in which case all companies will respond.

OUT-OF-TOWN CALL.

For a fire out of the city or brush fire, 2—2—2, all companies will assemble at their respective quarters and await orders.

ALL OUT SIGNAL.

Two blows on the bells, which dismisses all members at company quarters.

The signal will be given after companies working at a fire have returned to quarters, "made up," and are ready to respond to another alarm.

TEST SIGNAL.

One blow at 12.30 noon.

SCHOOL SIGNALS.

1—7, with fifteen seconds between blows, closes primary and middle schools.

2—2, with fifteen seconds between the 2's, closes all the schools.
Time for giving same, 7.30 A. M., 11.30 A. M. or 1.15 P. M.

MILITARY CALL.

12 blows twice.

Whistle Signals.

The following code of signals will be observed by members of the department:

FOR CAPTAIN, or officer in command of company, one long whistle.

FOR COAL, two long whistles followed by as many short whistles as indicate the number of the engine.

TO LIMBER UP, three long whistles.

Rules for Exercising Horses.

It shall be the duty of the drivers of engines, hose carriages, hose wagons, hook and ladder trucks, and all other apparatus connected with this department, to exercise the horses every day, weather permitting, except Sunday, with the exception of engines having "first" and "second runs," and in such cases must exercise on days of "second run," the same to be done within the following limits:

CENTRAL STATION.

North to Pearl street.

East to Union street.

South to Merrimack street.

West to Chestnut street.

NORTH MAIN-STREET STATION.

North to Adams street.

East to Main street.

South to Granite street.

West to Dubuque street.

LAKE AVENUE STATION.

North to Manchester street.

East to Belmont street.

South to Summer street.

West to Maple street.

MAPLE-STREET STATION.

North to Myrtle street.

East to Linden street.

South to Hanover street.

West to Union street.

WEBSTER-STREET STATION.

North to Clarke street.

East to Union street.

South to Pennacook street.

West to Elm street.

RIMMON-STREET STATION (MCGREGORVILLE).

North to Kelley street.	East to Beauport street.
South to Wayne street.	West to Rimmon street.

BAKERSVILLE STATION.

North over B. & M. Railroad.	East to Calef road.
South to Baker street.	West to Brown avenue.

WILSON HILL STATION.

North to Old Bridge street.	East to Mammoth road.
South to Hanover street.	West to Belmont street.

SOMERVILLE-STREET STATION.

North to Valley street.	East to Jewett street.
South to Somerville street.	West to Wilson street.

Drivers must confine themselves to the above, and in no case take their horses beyond the prescribed limits, except for shoeing or in case of fire, without permission from the chief or assistant engineer.

In exercising, care must be taken to avoid colliding with other teams. In approaching corners, crossings, street car tracks, and in going down grades the speed of the horses must be checked.

In case of an alarm use gong freely while returning to quarters.

Any driver violating these rules will be liable to suspension or discharge.

Stations and Sleeping Rooms.

All stations of this department will be open from 7 A. M. until 9 P. M., and the members at the several stations will receive visitors and citizens courteously, answer all questions in a gentlemanly manner, and give any proper attention.

No political or religious discussions will be allowed in any of the houses of this department or by the officers or men when on duty.

No permanent member of the department shall attend a caucus or political convention as delegate, distribute tickets at any election, or take any part whatever in political matters other than to exercise his right of suffrage.

Gambling of any kind shall not be permitted in or about any of the houses or premises occupied by the department.

Stations to be closed at 10 o'clock P. M.

All games must cease at 10 P. M., and the stations be closed at that hour, to permit the permanent men and those detailed to sleep in the station, to retire undisturbed.

None of the stations will be open after the above hour (except in case of an alarm of fire) without permission of the chief or a member of the board of engineers, although stations may be kept open on Saturday evening until 11 o'clock.

No spirituous or malt liquors shall be allowed in or about any of the fire stations, and any member of the fire department seen intoxicated at any fire or alarm of fire, or who shall be known to frequent places where liquors are sold, during the progress of a fire, or whenever in uniform, shall be subject to reprimand, or dismissal, as the board of engineers may determine.

Any permanent member visiting any liquor saloon in uniform, except in the performance of his duty as a member of the fire department, or who is intoxicated or visits places where intoxicating liquors are sold, while on duty, shall be suspended or discharged, as the board of engineers may determine.

Any violation of these rules will subject the offender to reprimand or dismissal, and commanding officers of companies having knowledge of the violation of the foregoing rules will suspend the offender, and report the same to the chief or board of engineers.

The permanent men shall exercise a careful supervision over the sleeping apartments, see that the rooms are put in order and the beds made as early as 11 o'clock A. M., and that the bedding is changed at suitable intervals. The occupants of each bed will be held responsible for the cleanliness of the same, and held strictly accountable for any damage to either bed or bed clothing through carelessness. After 10 P. M. occupants shall refrain from loud talking or in any manner disturbing the rest of any who have retired.

Absent from City or Station.

No permanent member shall leave his station to visit any section of the city without permission of the chief or an assistant engineer (or the permanent captain in charge of his company), nor leave the city, or be granted leave of absence, without notifying the chief engineer and procuring a substitute to his acceptance, and the substitute shall be on duty before the applicant leaves his post, except on his regular "days off."

Any call member expecting to be absent from the city shall notify the captain of his company, and before leaving the city shall procure a substitute satisfactory to said captain.

Substitutes running for and answering the names of any call man shall be entitled to the same pay, *pro rata*, as the call man for whom they answer for the time they substitute, and the clerks of the several companies shall keep said substitutes' time and notify the regular call man of the amounts due from him and pay said amount to the substitute performing said service.

Any member of the department not complying with the above rules shall be liable to suspension or expulsion from the department.

The hour of leaving will be 7 o'clock A. M., and members will not leave their station until the arrival of the spare driver. They must report *promptly* at 7 o'clock the following morning for duty.

Those whose breakfast hour is 6 o'clock will remain at station until 7 o'clock on the dates of their "days off."

Should a fire be in progress at the hour of changes, men will remain on duty until the "all out" is given, except permission is obtained of the chief, or engineer in charge of fire, to retire. Should a "general" or third alarm be rung while members are in town, they will be expected to report for duty on their days off.

DAYS OFF.

Until further notice, the Days off of the Permanent Men will be as follows:

Day of Month.	NAME.	COMPANY.	Day of Month.	NAME.	COMPANY.
1-15	Hall.....	Engine 1.	8-25	Whitcomb, A. W.	Engine 2.
1-16	Collins.....	" 7.	9-23	Gage.....	Truck 1.
1-18	Rowe.....	Hose 2.	9-26	Lane.....	Engine 2.
2-15	Worthen.....	" 2.	9-26	Lemay.....	Engine and Ladder 6.
2-16	Harvey.....	Engine 1.	10-24	Pherson.....	Truck 1.
2-17	Morrill, F. S.	" 7.	10-24	Duncan, R. H....	Chemical 1.
3-17	Kemp.....	" 1.	10-27	Foster.....	Engine and Ladder 6.
3-18	Hebert.....	" 7.	11-22	Gustafson.....	Combination 2.
3-20	Smith, E. H.	Engine and Ladder 5.	11-25	Harris.....	Chemical 1.
4-18	*Rogers, C. H.	Hose 1.	11-28	Whitcomb, C. A.	Engine and Ladder 6.
4-19	*Rogers, G. N.	Engine 7	12-26	Richardson.....	Chemical 1.
4-21	*Cann, B. C....	Engine and Ladder 5.	12-27	Crosby.....	Combination 2.
5-19	Gould.....	Engine 4.	12-29	*St. John.....	Engine and Ladder 6.
5-20	Duncan, J. T.	Substitute Driver.	13-27	Walker.....	" " " 3.
5-22	Hubbell.....	Engine and Ladder 5.	13-30	Maynard.....	" " " 6.
6-20	Cann, G. A....	Engine 4.	13-30	Tebbetts.....	Hose 3.
6-23	Edgar.....	" 2.	14-28	Piper.....	Engine and Ladder 3.
6-23	Bryant.....	Engine and Ladder 5.	14-28	Nute	Substitute Driver.
7-19	Morse.....	" " " 5.	14-31	*Smith, A. W....	Hose 3
7-21	Parsons.....	Engine 4.	15-29	*Dunbar.....	Engine and Ladder 3.
7-24	Tuson.....	Engine 2.	16-30	*McLeod.....	" " " 3.
8-21	Ford.....	Substitute Driver.	17-31	*Porter	" " " 3.
8-22	Dyer.....	Truck 1.			

* In February St. John will take 16; Dunbar 24 instead of 29, and McLeod 25 instead of 30. For July 4:—C. H. Rogers, G. N. Rogers, B. C. Cann, to be arranged for. In February, April, June, September and November, Capt. Porter will take 1, and Capt. Smith 27.

Entering Building with Line of Hose.

All steamer and hose companies are instructed not to enter any building with a line of hose unless the stop nozzle is closed, except in cases where they can see the fire, and when their streams will reach it without damage to other property, due care being exercised as to whether their services are needed.

Extra care should be exercised by hosemen of steamer companies in using "shut-off" nozzles, shutting off to be slowly and gradually.

List of Fires and Alarms Responded to During 1907, with Loss and Insurance.

Box 324. Tuesday, January 1, 2.02 P. M. A box in shed adjoining 22 Laval street, owned and occupied by John B. Favreau. No damage. Cause unknown. Box pulled by citizen. Companies responding: Engines 2, 6, Hose 1, Truck 6.

STILL. Tuesday, January 1, 7.10 P. M. Five-story brick block, 891 Elm street, leased by Littlefield & Pattee, and occupied by Oliver Ladue and others. Cause, broken lamp. Members of Chemical Company responded. No services required.

Box 21. Tuesday, January 3, 7.28 A. M. Four-story wooden tenement block, 94 Merrimack street, owned by John M. Knowles and occupied by Frank Laslallite and others. Cause, defective chimney. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 1, Trucks 1, 3. Value of building, \$2,600; damage to building, \$31.31; insurance on building, \$2,600; insurance paid, \$31.31. Value of contents, \$200; damage to contents, \$20; no insurance.

STILL. Saturday, January 5, 6.15 P. M. Chimney fire in dwelling-house, 64 Cedar street, owned by William Reardon and occupied by Thomas Parralel. Members of Chemical Company responded. Used one pony extinguisher. —

Box 21. Sunday, January 6, 9.45 A. M. Three-story wooden tenement block, 119 Central street, owned by Thomas Corcoran heirs, and occupied by several families. Cause, burning chimney. Box pulled by citizen. Companies responding: Engines 1, 3, Chemical, Hose 1, Trucks 1, 3.

STILL. Saturday, January 12, 7.30 P. M. Chimney fire in wooden tenement block, 244 Douglas street, owned by Barbarossa Lodge, D. O. H., and occupied by several families. Members of Engine Company No. 2 responded with Combination wagon. Used two pony extinguishers.

STILL. Sunday, January 13, 5.30 P. M. Chimney fire in wooden tenement block, 11 Pearl street, owned by Charles C. Hayes, and occupied by William Coons and others. Members of Chemical Company responded. No services required.

STILL. Monday, January 14, 10.47 A. M. Chimney fire in wooden tenement block, 255 Chestnut street, owned by heirs of John Sweeney, and occupied by A. J. Precourt and others. Members of Chemical Company responded.

STILL. Monday, January 14, 12.35 P. M. Chimney fire in cottage house, 103 Chestnut street, owned by Charles McCarthy. Extinguished before arrival of Chemical.

STILL. Tuesday, January 15, 9.45 P. M. Chimney fire in wooden tenement block, 21 Orange street, owned by Frank Dennett, and occupied by Joseph Fogg and others. Members of Chemical Company responded. No services rendered.

Box 73. Wednesday, January 16, 5.50 A. M. Cottage house, 218 East Spruce street, owned and occupied by Andrew Riley. The fire originated in the rear of L attic, and was caused by a lighted candle in contact with clothes in closet. Box pulled by officer. Companies responding: Engines 3, 4, Chemical, Hose 2, 3, Truck 3. Value of building, \$2,000; damage to building, \$500; insurance on building, \$1,500; insurance paid, \$500. Value of contents, \$700; damage to contents, \$100; no insurance.

STILL. Wednesday, January 16, 6.55 A. M. Chimney fire in Webster block, 1 Winter Place, owned by Kennedy, Connor heirs and others. Chemical engine responded. Used one pony extinguisher.

STILL. Wednesday, January 16, 12.45 P. M. Chimney fire in wooden tenement block, 415 Granite street, owned by E. S. Derby, and occupied by several families. Members of Engine Company No. 2 responded with Combination wagon. Used two pony extinguishers.

STILL. Wednesday, January 16, 6.10 P. M. Chimney fire in three-tenement dwelling, 345 Dubuque street, owned and occupied by Nobert Sylvestre. Members of Engine and Ladder Company No. 6 responded. Used one pony extinguisher.

STILL. Wednesday, January 16, 8.50 P. M. Chimney fire in wooden tenement block, 23 Wayne street, owned by Robert Leggett, and occupied by several families and two stores. Members of Engine and Ladder Company No. 6 responded with hose carriage. Used two pony extinguishers.

Box 4. Thursday, January 17, 11.13 A. M. Three-story wooden tenement block, 85 Lake avenue, leased by Martin E. Sullivan, and occupied by him as liquor saloon, and by several tenants. Cause, thawing water pipes. Box pulled by citizen. Companies responding: Engines 1, 3, Chemical, Hose 1, 3, Trucks 1, 3. Value of building, \$2,500; damage to building, \$948.13; insurance on building, \$480; insurance paid, \$480. Value of contents, \$1,200; damage to contents, \$75; no insurance.

STILL. Monday, January 21, 1.35 P. M. Four-story wooden tenement block, 28 Second street, owned by "The Ten Companions," and occupied by Herbert Bird and others. The fire started in sitting-room of Bird, and destroyed couch, chair and carpet to value of about \$50;

fully insured. Cause, careless use of matches. Members of Engine Company No. 2 responded with Combination Wagon. Used two pony extinguishers.

STILL. Monday, January 21, 5.35 P. M. Chimney fire in double, two-story tenement block, 146 Concord street, owned by Mrs. L. A. Blaney, and occupied by Miss Gertrude Hallowell. Members of Chemical Company responded. No services rendered.

Box 52. Monday, January 21, 11.50 P. M. Two-and-a-half-story wooden tenement block, 18 North Main street, owned by Frank P. Johnson, and occupied by Francis Lavalette and others. Cause, defective chimney. Box pulled by Officer Adler. Companies responding: Engines 2, 6, Hose 1, Truck 6. Value of building, \$4,000; damage to building, \$7; insurance, \$3,000; insurance paid, \$7. No damage to contents.

STILL. Tuesday, January 22, 10.27 A. M. Chimney fire in three-story tenement block, 164 McGregor street, owned by Thomas D. and Emeline Paris, and occupied by twelve families. Members of Engine and Ladder Company No. 6 responded with hose carriage. Used one pony extinguisher.

STILL. Wednesday, January 23, 8.05 A. M. Chimney fire in two-story dwelling, 26 Nashua street, owned by Bayard C. Ryder, and occupied by George Hickey and Mr. Sullivan. Members of Hose Company No. 2 responded. No services rendered.

STILL. Wednesday, January 23, 4.03 P. M. Four-story brick block, 732 Elm street, owned by Green heirs, and occupied by R. B. Reynolds as hotel. Cause, broken lamp. Chemical Engine responded. No services rendered.

STILL. Wednesday, January 23, 4.30 P. M. Chimney fire in three-tenement house, 91 Cedar street, owned and occupied by John Toomey. Members of Chemical Company responded. No services rendered.

STILL. Thursday, January 24, 11.30 A. M. Chimney fire in four-story wooden block, 451 North Main street, owned by Bradford & Livingston, and occupied by nine tenants and three stores. Members of Engine and Ladder Company No. 6 responded with hose carriage. Used two pony extinguishers.

Box 82. Sunday, January 27, 1.06 P. M. Four-story brick block, 12 Birch street, owned by Merrill, Whitney & Godfrey, and occupied by several families. Cause, broken lamp in third story. Extinguished by Chemical Engine. Box pulled by citizen. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Value of building, \$5,500; damage to building, \$15; insurance, \$8,500; insurance paid, \$15. Value of contents in room, \$40; damage to contents in room, \$10; no insurance.

STILL. Sunday, January 27, 9.40 P. M. Chimney fire in wooden tenement block, 512 Chestnut street, owned by the Blood heirs, and occupied by J. Gagnon and others. Chemical engine responded. No services rendered.

STILL. Friday, February 1, 10.18 A. M. Three-story wooden tenement block, 48 Birch street, owned by Charles H. Dennis, and occupied by Joseph Burck and others. The fire originated in the attic on third floor from some unknown cause. Chemical engine responded. Value of building, \$10,000; damage to building, \$5; insurance, \$4,000; insurance paid, \$5. Value of contents, \$60; damage to contents, \$15; no insurance.

Box 71. Friday, February 1, 6.46 P. M. Second alarm, 6.55 P. M. A needless double alarm pulled by some unreliable person for a chimney fire at 131 Chestnut street. Companies responding: Engines 1, 3, 4, Chemical, Hose 1, 3, Trucks 1, 3. Used one pony extinguisher.

STILL. Saturday, February 2, 8.54 A. M. Four-story brick block, 1371 Elm street, owned by Gordon Woodbury, and occupied by Henry A. Sill as a bakeshop. Cause, overheated oven. No damage. Chemical engine responded.

STILL. Sunday, February 3, 11.15 A. M. Barrel of waste paper in rear of 37 Nashua street, set on fire by depositing hot ashes on paper. Members of Hose Company No. 2 responded. Used one pony extinguisher.

Box 31. Monday, February 4, 6.03 P. M. Two-story brick block, 24 Boyden street, owned by Amoskeag Mfg. Co., and occupied by John J. Lyons. Cause, unknown. Box pulled by citizen. Companies responding: Engines 4, 5, Chemical, Hose 1, Truck 1, 5. Value of building, \$5,000; damage to building, \$100; insurance, \$5,000. Value of contents, \$600; damage to contents, \$350; no insurance.

STILL. Monday, February 4, 6.48 P. M. Chimney fire in three-story wooden tenement block, 26 Orange street, owned by Higgins & Dennett, and occupied by Joseph Lemay and others. No services required.

Box 82. Tuesday, February 5, 5.58 P. M. Three-and-a-half-story wooden tenement block, 1125-1129 Elm street, owned by Edwin F. Jones and Chadwick heirs, and occupied by several families. Cause, unknown. Box pulled by citizen. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Value of building, \$2,100; damage to building, \$205; insurance, \$2,100; insurance paid, \$205. Value of contents, \$100; damage to contents, \$15; no insurance.

STILL. Tuesday, February 5, 7.45 P. M. Chimney fire in tenement block, 69 Lake avenue, owned by John Shea, and occupied by Fred Logan. Members of Chemical Company responded. Used one pony extinguisher.

STILL. Wednesday, February 6, 9.10 A. M. Two-story dwelling-house, 92 Ash street, owned by E. L. Hill, and occupied by George E. Hill. Cause, dirt in hot air pipe from the furnace. Members of Hose Company No. 2 responded. No services required.

STILL. Wednesday, February 6, 9.37 A. M. Chimney fire in cottage house, 302 Prospect street, owned and occupied by Edward H. Fogg. Members of Chemical Company responded. Used one pony extinguisher.

STILL. Wednesday, February 6, 9.37 A. M. Chimney fire in cottage house, 302 Prospect street, owned and occupied by Edward H. Fogg (same as above). Members of Hose Company No. 2 responded with hose wagon. Used two pony extinguishers.

STILL. Wednesday, February 6, 5.45 P. M. Chimney fire in dwelling-house, 44 West street, owned by Lizzie Barry, and occupied by John Crimmins. Members of Engine Company No. 2 responded with hose wagon. Used two pony extinguishers.

STILL. Thursday, February 7, 10.20 P. M. Two-and-a-half-story dwelling-house, 104 Concord street, owned and occupied by Mrs. James Kelliher. Cause, rubbish in cellar. Members of Chemical Company responded. No services required.

STILL. Friday, February 8, 3.45 P. M. Chimney fire in dwelling-house, 10 Cartier street, owned by John Tobin, and occupied by William Moher and L. Eickholm. Members of Engine Company No. 2 responded with Combination wagon. Used one pony extinguisher.

Box 23. Saturday, February 9, 3.36 P. M. Cottage house, 147 Laurel street, owned by St. Paul's M. E. Society, and occupied by Charles E. Dufort. Cause, unknown. Box pulled by citizen. Companies responding: Engines 1, 3, Chemical, Hose 1, 2, Truck 3. Value of building, \$2,500; damage to building, \$300; insurance, \$2,000; insurance paid, \$300. Value to contents, \$1,400; damage to contents, \$25; insurance, \$1,400; insurance paid, \$25.

STILL. Sunday, February 10, 10.15 P. M. Word was received at Engine Company No. 2 that a fire was burning in basement of Crafts & Green's shoeshop, corner Second and West Hancock street. A delegation from Engine Company No. 2 responded and found only the dump in rear of shop burning.

STILL. Wednesday, February 13, 5.37 P. M. Chimney fire in three-story wooden block, 43 Amory street, owned by F. C. Miville, and occupied as two stores and four tenements. Members of Engine and Ladder Company No. 6 responded with hose carriage. Used four pony extinguishers.

STILL. Sunday, February 17, 8.45 A. M. Chimney fire in tenement house, 177 Winter street, owned by Arthur A. Gavin, and occupied by several families. Members of Engine Company No. 2 responded with Combination wagon. Used one pony extinguisher.

STILL. Wednesday, February 20, 9.15 A. M. Two-tenement house, 343 Auburn street, owned by Patrick Padden. Cause, boy with matches set fire to wood-box, doing but little damage. Members of Engine and Ladder Company No. 3 responded. No services required.

Box 4. Thursday, February 21, 4.23 P. M. Two-story brick block, 40 Granite street, owned by Frank P. Johnson, and occupied as two stores and by several families. Cause, defective chimney. Box pulled by citizen. Companies responding: Engines 1, 3, Chemical, Hose, 1, Trucks 1, 3.

STILL. Thursday, February 21, 11.45 P. M. Escaping gas from leak in service pipe on Adams street, near Appleton, ignited from lantern. Members of Engine and Ladder Company No. 5 responded with hose carriage.

Box 15. Friday, February 22, 12.21 P. M. Four-story wooden tenement block, rear 42 Pine street, owned by Ellen Kerins, and occupied by F. E. Emery and William Currier (in No. 8). Cause, thawing water pipes. Box pulled by Alphonse La Fond. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Value of building, \$4,000; damage to building, \$100; insurance, \$500; insurance paid, \$100. Value to contents, \$300; damage to contents, \$50; no insurance.

STILL. Friday, February 22, 7.38 P. M. Chimney fire in three-story wooden block, 223 Chestnut street, owned by Patrick Horan, and occupied by J. Horan. Members of Chemical Company responded. Used one pony extinguisher.

Box 71. Friday, February 22, 9.24 P. M. Two-story wooden block, 345 Chestnut street, owned by James J. and Dennis J. Dowd, and occupied by Henry Trilling as dry goods store and gents' furnishing store. The fire started near the stove, presumably from a spark or coal. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 1, 3, Truck 3. Value of building, \$3,000; damage to building, \$62; insurance, \$1,000; insurance paid, \$31. Value of contents, \$1,200; damage to contents, \$265; insurance, \$850; insurance paid, \$225.

Box 82. Saturday, February 23, 7.47 P. M. Chimney fire in three-story brick block, 48 Church street, owned by Julia Shea, and occupied by several families. Box pulled by boy. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5.

STILL. Sunday, February 24, 8.20 A. M. Chimney fire in wooden tenement block, 159 Merrimack street, owned by J. Bruno, and occupied by Mrs. M. Burkhart and others. Members of Chemical Company responded. No services required.

STILL. Sunday, February 24, 11.55 A. M. Cottage house, 275 Lake avenue, owned and occupied by D. A. Shannahan. Cause, thawing water pipes. Damage slight. Members of Engine and Ladder Company No. 3 responded. No services rendered.

STILL. Sunday, February 24, 12.05 noon. Dwelling-house, 67 Cartier street, owned and occupied by Jeremiah J. Sullivan. Cause, spontaneous combustion among rags under the sink. House filled with smoke but no damage. Members of Engine Company No. 2 responded with Combination carriage. No services required.

STILL. Tuesday, February 26, 1.40 P. M. Chimney fire in double cottage, 7 Foster avenue, owned by Fred Platts and occupied by J. McDonough. Members of Engine and Ladder Company No. 3 responded with hose wagon. Used one pony extinguisher.

Box 5. Tuesday, February 26, 4.40 P. M. One-story wooden building, rear 47 West Central street, owned by the Manchester Savings

Bank, and occupied by J. H. Parmerton as storehouse. Cause, unknown. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 1, 3, Trucks 1, 3. Value of building, \$8,000; damage to building, \$442.18; insurance, \$3,000; insurance paid, \$442.18. Value of contents, \$4,087.81; damage to contents, \$1,404.71; insurance, \$2,500; insurance paid, \$1,404.71.

STILL. Tuesday, February 26, 5.43 P. M. Cottage house, 730 Beech street, owned and occupied by R. H. Cheney. Cause, sparks from chimney ignited shingles. Hose Company No. 2 responded. Used two pony extinguishers.

STILL. Tuesday, February 26, 7.35 P. M. Three-story wooden tenement block, 11 Orange street, owned by estate of D. H. Young, and occupied by D. Cate. Members of Chemical Company responded. Used one pony extinguisher.

STILL. Tuesday, February 26, 7.55 P. M. Chimney fire in tenement block, 40 Merrimack street, owned by J. Quirin and others, and occupied by several Greek families. Members of Chemical Company responded. No services required.

STILL. Tuesday, February 26, 8.45 P. M. A pile of burlap bags thrown from the Parmerton storehouse smouldering in rear of 47 West Central street. Members of Chemical Company responded. Used one pony extinguisher.

STILL. Tuesday, February 26, 9.03 P. M. New tenement block (unoccupied), corner Wilson and Clay streets, owned by P. Graveline. Cause, sacks of unslacked lime in snow. Members of Engine and Ladder Company No. 3 responded with hose wagon. No damage.

Box 21. Wednesday, February 27, 11.40 A. M. Two-and-a-half-story dwelling-house, 118 Central street, owned by A. Rosmus, and occupied by Philip Naw as a fruit store. Cause, gas stove in a banana "ripening pen," igniting floor. Box pulled by citizen. Companies responding: Engines 1, 3, Chemical, Hose 1, Trucks 1, 3. No damage to building. Value of contents, \$150; damage, \$95; no insurance.

STILL. Saturday, March 2, 10.34 A. M. Four-story brick block, 64 Merrimack street, owned by ——— and occupied by several families. Cause, thawing water pipes. No damage. Chemical engine responded. No services rendered.

STILL. Saturday, March 2, 7.45 P. M. Chimney fire in four-story brick block, 1213 Elm street, occupied by Joseph Bushey and others. Members of Chemical Company responded. Used one pony extinguisher.

STILL. Wednesday, March 6, 7.55 P. M. Chimney fire in wooden tenement block, 44 Merrimack street, owned by K. of P. Syndicate, and occupied by Joseph Gelinas and others. Members of Chemical Company responded. Used one pony extinguisher.

STILL. Friday, March 8, 8.05 A. M. Double tenement dwelling-house, 66 Appleton street, owned by H. W. Heath of Boston, Mass., and occu-

pied by Charles S. Partridge. Cause, sparks on roof. Members of Engine and Ladder Company No. 5 responded with hose carriage. Used one pony extinguisher and laid 150 feet of hose from hydrant and 44 feet of ladders.

STILL. Friday, March 8, 7.05 P. M. Chimney fire in wooden tenement block, 19 Barr street, owned by Fred G. Stark, and occupied by several families. Members of Engine Company No. 2 responded. Used one pony extinguisher.

Box 312. Tuesday, March 12, 8.57 P. M. Three-story dwelling-house, 27 Sullivan street, owned by W. E. Burpee, and occupied by Fred Oliver, Martin Rafferty and Joseph Doucette. Cause, chimney fire. Box pulled by citizen. Companies responding: Engines 2, 6, Hose 1, Truck 6. Used three pony extinguishers and one chemical tank. No damage.

STILL. Wednesday, March 13, 11.45 A. M. Chimney fire in tenement block, 5 Washington Block, Pearl street, owned by Charles C. Hayes, and occupied by Camille Marineau and others. Members of Chemical Company responded. Used one pony extinguisher.

STILL. Thursday, March 14, 9.45 P. M. Chimney fire in wooden tenement block, 60 Pearl street, owned by Charles C. Hayes, and occupied by A. N. Garant and others. Members of Chemical Company responded. Used one pony extinguisher.

STILL. Friday, March 15, 2.28 P. M. Chimney fire in three-story tenement block, 42 Church street, owned by Alonzo H. Weston, and occupied by several families. Chemical engine responded.

STILL. Monday, March 18, 6.55 P. M. Two-and-a-half-story dwelling-house, 475 Hanover street, owned and occupied by Elizabeth Hayes. Cause, rats and matches. Slight fire in partition. Members of Engine and Ladder Company No. 3 responded with hose wagon. Used one pony extinguisher. Damage slight.

Box 7. Tuesday, March 19, 6.26 A. M. Small lot of excelsior rubbish in rear 95 Hanover street. No services required. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 1, Trucks 1, 3.

STILL. Tuesday, March 19, 1.45 P. M. Chimney fire in tenement block, 336 South Main street, owned by George Palmer, and occupied by several families. Members of Engine Company No. 2 responded with Combination wagon. Used one chemical tank and one pony extinguisher.

STILL. Wednesday, March 20, 5.20 P. M. Chimney fire in three-story wooden dwelling, 526 North Main street, owned by Napoleon Chamberland, and occupied by three families. Members of Engine and Ladder Company No. 6 responded with hose carriage. Used two pony extinguishers.

Box 312. Saturday, March 23, 6.55 P. M. Chimney fire in three-story wooden tenement block, 433 North Main street, owned by George Blanchette, and undergoing alterations. No damage. Used two pony

extinguishers. Box pulled by citizen. Companies responding: Engines 1, 2, 6, Chemical, Hose 1, Truck 6.

STILL. Sunday, March 24, 5.35 P. M. Chimney fire in two-tenement house, 452 Chestnut street, owned by estate of Samuel W. Parsons. Members of Chemical Company responded. Used one pony extinguisher.

STILL. Friday, March 29, 3 P. M. Grass fire on land belonging to estate of George F. Elliot, on Hanover street hill. Combination Company No. 2 responded. Used two pony extinguishers.

STILL. Saturday, March 30, 11.45 A. M. Chimney fire in brick block, 13 Canal street, owned by Amoskeag Company, and occupied by Mrs. Mary Sullivan. Members of Chemical responded. No services required.

Box 54. Saturday, March 30, 12.38 M. Brush fire on Boynton street, near Bedford line, on land owned by Charles F. Burnham. Needless alarm. No damage. Companies responding: Engines 2, 6, Truck 6.

STILL. Saturday, March 30, 2.45 P. M. Chimney fire in cottage house, 226 Amory street, owned and occupied by Edward Lemerise. Members of Engine and Ladder Company No. 6 responded. Used one pony extinguisher.

Box 7. Monday, April 1, 2.24 A. M. Two-and-a-half-story wooden tenement block, 352 Pine street, owned by Mrs. W. M. Kendall, and occupied by Ludger Gonier and others. Cause, defective chimney. Box pulled by officer. Companies responding: Engines 1, 3, Chemical, Hose 1, Trucks 1, 3. Value of building, \$6,000; damage to building, \$25; insurance, \$6,000; insurance paid, \$25. No damage to contents.

STILL. Wednesday, April 3, 6.45 A. M. Chimney fire in tenement house, 415 Granite street, owned by E. S. McDerby, and occupied by several families. Members of Engine Company No. 2 responded with Combination wagon. Used three pony extinguishers.

STILL. Wednesday, April 3, 11.55 A. M. Chimney fire in two-story wooden tenement block, 377 Chestnut street, owned by heirs of Isaac Huse, and occupied by A. Blanchard and others. Members of Chemical and Engine Company No. 4 responded. Used one pony extinguisher.

STILL. Thursday, April 4, 7.30 P. M. Chimney fire in wooden tenement block, 88 Pearl street, owned by heirs of David H. Young, and occupied by Tom Creighton and others. Members of Chemical Company responded. Used one pony extinguisher.

STILL. Saturday, April 6, 1.30 P. M. Grass fire on North River road, on land owned by Margaret Kelley. Members of Engine and Ladder Company No. 5 responded. Used one pony extinguisher.

STILL. Saturday. April 6, 3.45 P. M. Brush fire on unoccupied land on Railroad street, owned by the city of Manchester. Members of Engine Company No. 2 responded.

STILL. Saturday, April 6, 4.05 P. M. Brush fire on unoccupied land west of Whittemore Flats, owned by Amoskeag Mfg. Co. Members of Engine Company No. 2 responded.

STILL. Sunday, April 7, 1.10 P. M. Grass fire on land owned by Amoskeag Mfg. Co., west of Elm street, near Sagamore. Members of Engine and Ladder Company No. 5 responded with hose carriage. Used one pony extinguisher.

STILL. Sunday, April 7, 1.48 P. M. Grass and brush fire on Hancock street, owned by heirs of Waterman Smith, caused by children playing with matches. Hose Company No. 3 responded.

STILL. Monday, April 8, 11.05 A. M. Chimney fire in dwelling-house, 295 South Main street, owned and occupied by Mrs. H. A. Moulton. Members of Engine Company No. 2 responded. Used two pony extinguishers.

STILL. Wednesday, April 10, 5.45 P. M. Chimney fire in two-tenement house, 106 Amherst street, owned by Harry Eaton, and occupied by Edward Miller. Members of Chemical Company responded. Used one pony extinguisher.

STILL. Sunday, April 14, 4 P. M. Brush fire on unoccupied land off Elm street, near gas works, owned by Amoskeag Mfg. Co. Members of Hose Company No. 3 responded. Used two pony extinguishers.

STILL. Monday, April 15, 7.10 A. M. Brush fire on unoccupied land, opposite 247 Milford street, owned by the estate of George W. Riddle. Members of Engine Company No. 2 responded with Combination wagon.

Box 215. Monday, April 15, 1.22 P. M. False alarm pulled by some unknown person. Companies responding: Engines 3, 4, Combination 2, Hose 2, 3, Truck 3.

STILL. Monday. April 15, 6.35 P. M. City dump on Putnam street. Members of Engine and Ladder Company No. 6 responded with hose carriage. Laid 800 feet of hose from hydrants. On duty three hours.

STILL. Tuesday, April 16, 9.30 A. M. City dump on Putnam street. Members of Engine and Ladder Company No. 6 responded with hose carriage. Laid 800 feet of hose from hydrant.

STILL. Tuesday, April 16, 3.10 P. M. Barrel of rubbish in rear 127 Nutfield Lane, owned by Benjamin B. Thompson and occupied by Vogel & Co. as printing office. Chemical engine responded. Extinguished before their arrival.

STILL. Wednesday, April 17, 2 P. M. City dump on Putnam street. Members of Engine and Ladder Company No. 6 responded with hose carriage. Laid 750 feet of hose from hydrant.

STILL. Friday, April 19, 8.45 P. M. City dump on Putnam street. Members of Engine and Ladder Company No. 6 responded with hose carriage. Laid 750 feet of hose from hydrant.

STILL. Saturday, April 20, 2 P. M. Brush fire on land between Beaufort and Hevey streets, owned by the Amoskeag Mfg. Co. Cause, set by boys. Members of Engine Company No. 2 responded.

STILL. Saturday, April 20, 2.30 P. M. City dump on Montgomery street. Members of Engine Company No. 2 responded. Laid 1,000 feet of hose from hydrant.

STILL. Saturday, April 20, 4.35 P. M. Chimney fire in four-story wooden tenement block, 615 Union street, owned by James F. Cavanaugh, and occupied as twenty-eight tenements and two stores. Members of Hose Company No. 2 responded with hose wagon. Used two pony extinguishers.

Box 213. Sunday, April 21, 12.57 M. Grass and brush fire on the farm of the late Daniel Conner, on Weston road. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 2, 3, Truck 3. Used seven pony extinguishers and one chemical tank.

STILL. Sunday, April 21, 1.35 P. M. Grass and brush fire about the Amoskeag Company's reservoir, between Oak, Russell, Blodget and Harrison streets. Members of Engine and Ladder Company No. 5 responded with hose carriage. Laid 350 feet of hose from hydrant.

STILL. Sunday, April 21, 2.15 P. M. Grass fire on Brown avenue, owned by Dr. Mitchell. Cause, sparks from locomotive of Boston & Maine Railroad. Hose Company No. 3 responded.

STILL. Sunday, April 21, 2.45 P. M. Brush fire on Calef road, on land owned by Harry P. Ray. Hose Company No. 3 responded.

STILL. Sunday, April 21, 4 P. M. Brush fire on both sides of Hooksett road on land owned by the Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 5 responded.

STILL. Sunday, April 21, 5.30 P. M. City dump on Putnam street. Members of Engine and Ladder Company No. 6 responded with hose carriage. Laid 750 feet of hose from hydrant.

2—2—2. Monday, April 22, 12.17 M. Brush fire on Calef road on land of estate of Cassius M. Webster, caused by sparks from Boston & Maine locomotive, responded to by delegation from different companies, while another delegation responded to fire on Nutt road on land of Mrs. Cabill and T. F. Cote.

STILL. Monday, April 22, 3.10 P. M. Brush and grass fire on Railroad street, on land owned by Amoskeag Mfg. Co. Members of Engine Company No. 2 responded.

STILL. Monday, April 22, 3.25 P. M. Brush and grass fire on Goffstown road, on land of the late Ira C. Hardy, near Goffstown line. Delegations from Central Station and Engine and Ladder No. 5 responded.

STILL. Monday, April 22, 4.10 P. M. Brush fire on land west of Stark schoolhouse on North River road. Responded to by same delegation as responded to previous fire, while on their return to quarters.

STILL. Monday, April 22, 4.55 P. M. Light from a brush fire was seen from Bridge street extension on the unoccupied land north of Bald Hill road. Hose Company No. 2, with exercise wagon and a delegation from Engine Company No. 3 responded. No services rendered.

Box 21. Monday, April 22, 5.54 P. M. Chimney fire in three-story wooden tenement block (rear) 191 Merrimack street, occupied by several families. Box pulled by citizen. Companies responding: Engines 1, 3, Chemical, Hose 1, Trucks 1, 3.

STILL. Monday, April 22, 5.58 P. M. Brush fire on South Beech street, on land of John Walker, Jr. Cause, sparks from Boston & Maine locomotive. Hose Company No. 3 responded.

STILL. Monday, April 22, 6.05 P. M. Brush fire on Brown avenue, on land of Izetta Locke. Cause, sparks from Boston & Maine locomotive. Hose Company No. 3 responded.

STILL. Wednesday, April 24, 3.10 P. M. Grass fire on land of estate of George E. Hall, on North River road. Members of Engine and Ladder Company No. 5 responded. Used one pony extinguisher.

STILL. Wednesday, April 24, 7 P. M. Chimney fire in dwelling-house, 40 Hancock street, owned by O. E. Kimball, and occupied by W. E. Williams. Hose Company No. 3 responded. Used one pony extinguisher.

STILL. Thursday, April 25, 11.42 A. M. Brush fire on land of Manchester Driving Park. Cause, sparks from Boston & Maine locomotive. Hose Company No. 3 responded.

Box 15. Thursday, April 25, 12.49 M. Two-and-a-half-story dwelling-house, 494 Chestnut street, owned by Henry C. Parsons, and occupied by J. W. Perkins. Cause, cigar stub from adjoining block. Box pulled by citizen. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. No damage.

Box 4. Friday, April 26, 2.10 A. M. Three-story wooden tenement block (with stores), 19 Spruce street, owned by Daniel J. Ahern, and occupied by Kostas Gegas as lunch room, and other tenants. The fire originated from a gas stove left burning. Box pulled by Joseph Rice, who lived directly over the lunch room, and was awakened by the dense smoke. Companies responding: Engines 3, 4, Chemical, Hose 1, 3, Trucks 1, 3. Value of building, \$3,000; damage to building, \$150; insurance, \$1,200; insurance paid, \$150. Value of contents, \$300; damage to contents, \$50; no insurance.

STILL. Saturday, April 27, 1.40 P. M. Three-story dwelling-house, 467 Hevey street, owned by John Costello, and occupied by three families. Cause, fire in bed. Damage slight. Members of Engine and Ladder Company No. 6 responded. Used two pony extinguishers.

STILL. Sunday, April 28, 7 A. M. Chimney fire in dwelling-house, 454 Lake avenue, owned by Byron Worthen, and occupied by William S. McLeod. Members of Engine and Ladder Company No. 3 responded. Used one pony extinguisher.

STILL. Sunday, April 28, 10.50 A. M. Grass fire on land, corner Elm and West Clarke street, owned by T. W. Donahoe. Members of Engine and Ladder Company No. 5 responded with hose carriage. Used one pony extinguisher.

STILL. Sunday, April 28, 2.15 P. M. Brush fire on Donald street, opposite St. Joseph's cemetery, on land of Ranlet heirs. Members of Engine Company No. 2 responded with Combination wagon.

STILL. Monday, April 29, 12.25 M. Chimney fire in tenement block, 7 Mast street, owned by Mrs. Gordon Woodbury, and occupied by

Henry Murphy and others. Members of Engine Company No. 2 responded with Combination wagon. Used three pony extinguishers.

Box 51. Monday, April 29, 5.55 P. M. Three-story wooden tenement block, 141 Second street, owned by Wilhelmina Riedel, and occupied by several families. Cause, smoke puffing out from chimney into attic. Box pulled by citizen. Companies responding: Engines 2, 6, Truck 6.

Box 323. Tuesday, April 30, 3.28 P. M. False alarm pulled by John Muller. Companies responding: Engines 2, 6, Hose 1, Truck 6.

STILL. Thursday, May 2, 1 P. M. Brush and grass fire on land of Kidder & Griffin heirs on west side of Union street, north of Clarke. Members of Engine & Ladder Company No. 5 responded with hose carriage. Laid 900 feet of hose and used one pony extinguisher.

STILL. Sunday, May 5, 10.15 A. M. Chimney fire in two-tenement dwelling house, 19 Clinton street, owned by George S. Eastman, and occupied by two families. Members of Engine Company No. 2 responded. Used two pony extinguishers.

STILL. Sunday, May 5, 12.17 M. Chimney fire in dwelling-house, 183 Lake avenue, owned by Mary Clark, and occupied by O. Wyman. Members of Chemical Company responded. Used one pony extinguisher.

STILL. Thursday, May 9, 6.30 A. M. Chimney fire in two-and-a-half-story dwelling-house, 385 Cartier street, owned by J. Cronin, and occupied by two families. Members of Engine and Ladder Company No. 6 responded with hose carriage. Used two pony extinguishers.

STILL. Saturday, May 11, 8.10 A. M. Two-and-a-half-story tenement house, 26 Nashua street, owned by Bayard C. Ryder, and occupied by George Hickey and others. Cause, too much paper used in lighting fire in stove caused smoke to come out from "thimble" holes. No services required.

STILL. Monday, May 13, 1.03 P. M. Brush fire on east side of Oak Hill, on land owned by Kennard heirs, near dwelling of E. G. Sanborn. Delegations from Combination No. 2, Hose 2, and from Central Station responded. On duty $6\frac{1}{4}$ hours.

AUTOMATIC. Monday, May 13, 1.50 P. M. Four-story brick building on Willow street, owned by Cohas Building Company, and occupied by McElwain Shoe Company. Cause, gasoline ignited about a "treeing" machine. Hose Company No. 3 responded.

2-2-2. Monday, May 13, 3.02 P. M. The Oak Hill fire necessitated additional help. Engine Company No. 1, with detail from other companies responded, and before returning to quarters responded to call for help on Bald Hill road, on land of ——— Stevens and others.

STILL. Tuesday, May 21, 1.50 A. M. Chimney fire in tenement block, 279 Pine street, owned by Mrs. Lane and occupied by Benjamin Cleworth. Members of Chemical Company responded. Used one pony extinguisher.

STILL. Tuesday, May 21, 9.55 P. M. Chimney fire in brick block, 16 Middle street, owned by Amoskeag Mfg. Co., and occupied by Edgar A. Thayer. Used one pony extinguisher.

Box 64. Wednesday, May 22, 1.32 A. M. False alarm. Companies responding: Engines 1, 3, Chemical, Hose 3, Truck 3.

Box 213. Wednesday, May 22, 10.07 A. M. Three-story wooden sash and blind factory on South Beech street, junction of Portsmouth Branch, Boston & Maine Railroad, owned and occupied by the Derryfield Company. Cause, hot box in factory. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 2, 3, Truck 3.

STILL. Wednesday, May 22, 4.55 P. M. Grass fire on land of J. P. Brock estate, 390 Mast street. Members of Engine Company No. 2 responded with Combination wagon.

STILL. Thursday, May 23, 7.10 P. M. Chimney fire in wooden block in Elm west back street, owned by Amoskeag Mfg. Co., and occupied by E. Cronin and others. Chemical engine responded. Used one pony extinguisher.

Box 23. Saturday, May 25, 8.25 A. M. Two-and-a-half-story dwelling house, 209 Central street, owned and occupied by the heirs of Thomas Logan. Fire originated in south attic from some unknown cause. Box pulled by Harry L. Davis. Companies responding: Engines 3, 4, Chemical, Hose 1, 2, Trucks 1, 3. Value of building, \$3,000; damage to building, \$77.19; insurance, \$2,500; insurance paid, \$77.19. Value of contents, \$2,000; damage to contents, \$314.55; insurance, \$1,000; insurance paid, \$314.55.

STILL. Saturday, May 25, 10.55 A. M. Chimney fire in dwelling-house, 84 Goffe street, owned by E. B. Huse of Bedford, and occupied by F. A. Hardy. Members of Engine Company No. 2 responded. Used two pony extinguishers.

Box 213. Saturday, May 25, 1.47 P. M. Needless alarm for a brush fire on land of Kimball & Chandler, near Hall street and Cilley road. No services required. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 2, 3, Truck 3.

STILL. Saturday, May 25, 3.14 P. M. Chimney fire in brick block, 15 Arkwright street, owned by the Amoskeag Mfg. Co. and occupied by Jeremiah Kelliher. Used one pony extinguisher.

Box 13. Sunday, May 26, 9.53 P. M. Four-story wooden tenement block, 28 Pearl street, owned by Higgins & Dennett, and occupied by Paul Damour and others. Fire originated in a closet on fourth floor from some unknown cause. Box pulled by citizen. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Value of building, \$3,000; damage to building, \$108.20; insurance, \$2,500; insurance paid, \$108.20. Value of contents, \$500; damage to contents, \$10; no insurance.

Box 321. Monday, May 29, 9.49 P. M. Two-tenement dwelling-house, 322 Cartier street, owned by Joseph Blanchard, occupied by him and

Napoleon Lauranger. Fire originated in a closet from some unknown cause. Box pulled by citizen. Companies responding: Engines 2, 6, Truck 6. Value of building, \$1,800; damage to building, \$64.10; insurance, \$1,500; insurance paid, \$64.10. Value of contents, \$2,000; damage to contents, \$41; insurance, \$1,500; insurance paid, \$41.

STILL. Saturday, June 1, 11.45 A. M. Chimney fire in tenement block, 186 Manchester street, owned by Mrs. James Gilroy, and occupied by her and others. Members of Chemical Company responded. Used one pony extinguisher.

Box 313. Saturday, June 1, 7.36 P. M. Small shed in rear of No. 41 Marion street, owned and occupied by F. X. Parent. Cause, unknown. No damage. Box pulled by citizen. Companies responding: Engines 1, 2, 6, Hose 1, Trucks 1, 6.

Box 4. Sunday, June 2, 11.22 A. M. Chimney fire in Connor's block, 571 Elm street, owned by estate of Daniel Connor. No damage. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 1, 3, Trucks 1, 3.

Box 217. Monday, June 3, 6.46 A. M. Cottage house on Island Pond road, about four miles from city hall, owned and occupied by O. T. Coleman. Cause, defective chimney. Box pulled by citizen. Companies responding: Engines 3, 4, Hose 2, Combination 2, Truck 3. Owing to distance from any water supply, all except Combination 2 were sent back en route. Used three chemical tanks. Value of building, \$800; damage to building, \$800; no insurance. Value of contents, \$275; damage to contents, \$200; no insurance.

STILL. Monday, June 3, 8.40 A. M. Chimney fire in cottage house, 161 Mammoth road, owned by Ella Johnson, and occupied by Hattie L. Oldham. Responded to by Combination 2, while on its return to quarters from the foregoing fire. Used two pony extinguishers.

STILL. Tuesday, June 4, 9.40 A. M. Slight fire in closet of six-tenement wooden block, 234 East High street, owned by Mrs. Addie Riedel, and occupied by Fred Heath and others. Hose Company No. 2 responded. Used one pony extinguisher.

Box 18. Friday, June 7, 1.38 P. M. Two-and-a-half-story wooden, four-tenement house, 6 Dutton street, owned by Luther J. Flint, and occupied by A. D. Chase and others. Cause, probably careless use of matches in the blind attic used as storeroom. Box pulled by citizen. Companies responding: Engines 1, 3, Hose 2, Combination 2, Truck 3. Value of building, \$4,000; damage to building, \$50; insurance, \$2,000; insurance paid, \$50. No damage to contents.

Box 512. Saturday, June 8, 6.51 P. M. Two-and-a-half-story dwelling-house, 47 Cartier street, owned and occupied by A. Mailhot. Cause, boiling over of sugar in cellar. No damage. Box pulled by citizen. Companies responding: Engines 2, 6, Hose 1, Truck 6.

Box 214. Thursday, June 13, 5.17 P. M. A pile of electric light poles on Valley street, owned by the Manchester Traction, Light & Power

Company. Cause, boys playing with matches. Box pulled by citizen. Companies responding: Engines 1, 3, Hose 2, 3, Truck 3.

STILL. Saturday, June 15, 11.30 A. M. Brush fire on North Union street, on land owned by Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 5 responded.

STILL. Tuesday, June 18, 3 P. M. Brush fire on Amory street extension on land owned by Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 6 responded.

Box 71. Tuesday, June 18, 7.36 P. M. Four-story brick block, 180 Chestnut street, owned by Griffin Brothers, and occupied by several families. Cause, lamp explosion in tenement on second floor, occupied by Michael Kelley, whose wife was so severely burned that she died the following morning. Box pulled by citizen. No damage to building or contents. Companies responding: Engines 3, 4, Chemical, Hose 1, 3, Truck 3.

STILL. Thursday, June 20, 1 P. M. City dump on Putnam street. Responded to by members of Engine and Ladder Company No. 6, assisted by members of the street department. Laid 800 feet of hose from hydrant.

STILL. Saturday, June 22, 10 A. M. One-story wooden building, corner Canal and Auburn streets, owned by Gordon Woodbury, and occupied by Smith Box & Lumber Co. Cause, fire in sawdust pit. No damage. Chemical engine responded.

Box 321. Saturday, June 22, 11.40 A. M. Three-story wooden tenement house, 356 Rimmon street, owned by Joseph Minnegan, and occupied by him, and Calvin Brinn and Napoleon Duval. Cause, sparks from chimney. Box pulled by citizen. Companies responding: Engines 2, 6, Hose 1, Trucks 1, 6. Value of building, \$3,100; damage, \$79.35; insurance, \$2,600; insurance paid, \$78.40. No damage to contents.

STILL. Saturday, June 22, 5.20 P. M. Box of rubbish in rear of Dunlap block, from the store of William Marcotte. Members of Chemical Company responded. Used one pony extinguisher.

Box 21. Saturday, June 22, 8.40 P. M. Three-story wooden tenement house, 47 Laurel street, owned by Dr. Noel E. Guillet, and occupied by several families. A slight fire in closet. Cause, unknown. Extinguished by Chemical engine. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 1, Trucks 1, 3. Value of building, \$9,000; damage to building, \$85; insurance, \$6,000; insurance paid, \$75. No damage to contents.

STILL. Tuesday, June 25, 9.30 A. M. Chimney fire in two-story tenement house, 29 Dutton street, owned by Royal Moore, and occupied by C. I. Bjorklund and others. Members of Hose Company No. 2 responded.

Box 213. Tuesday, June 25, 5.26 P. M. Barn and shed connected with dwelling-house on Nutt road, below the fair grounds, owned by

estate of Timothy Shea, and occupied by Mrs. Laura Shea. Cause, lightning. Box pulled by citizen. Companies responding: Engines 1, 3, Hose 2, 3, Truck 3. Value of building, \$3,000; damage to building, \$2,500; insurance, \$2,500; insurance paid, \$2,500. Value of contents, \$100; damage to contents, \$100; insurance, \$100; insurance paid, \$100.

Box 9. Tuesday, June 25, 5.31 P. M. Two-story wooden dwelling, 113 Bay street, owned and occupied by John H. Andrews. Cause, lightning. Box pulled by B. Hill Campbell. Companies responding: Engines 4, 5, Chemical, Hose 1, Truck 5. Value of building, \$14,000; damage, \$764.62; insurance, \$9,000; insurance paid, \$764.62. Value of contents, \$4,000; damage to contents, \$415; insurance, \$3,075; insurance paid, \$415.

Box 26. Tuesday, June 25, 5.35 P. M. and 10.35 P. M. Barn in rear 390 Orange street, corner Belmont, owned and occupied by Edgar T. Sharp. Cause of first alarm, lightning, and of second alarm, rekindling of same fire. Box pulled by citizen. Companies responding: Combination 2 (others assigned to that box were on duty at other fires), and second alarm, Engines 1, 3, Chemical, Hose 2, Combination 2, Truck 3. Value of building, \$500; damage to building, \$227.75; insurance, \$300; insurance paid, \$227.75. Value of contents, \$250; damage to contents, \$78; insurance, \$200; insurance paid, \$78.

Box 313. Friday, June 28, 7.42 A. M. Cottage house, 532 North Main street, owned by T. J. Labrecque, and occupied by Dr. Servule St. Pierre. Cause, overflow of kerosene oil stove. No damage. Box pulled by citizen. Companies responding: Engines 2, 4, 6, Hose 1, Truck 6.

STILL. Friday, June 28, 9.30 A. M. Chimney fire in two-and-a-half-story dwelling, 472 North Main street, owned by Kate Sullivan, and occupied by two families. Members of Engine and Ladder Company No. 6 responded. Used two pony extinguishers.

STILL. Saturday, June 29, 7.55 P. M. Chimney fire in tenement house, 150 Manchester street, owned by Edgerly & Whittier, and occupied by James Calis. Chemical engine responded. Used one pony extinguisher.

STILL. Monday, July 1, 8.20 P. M. Bonfire at 112 Ray street, on land owned by Mrs. D. W. Atwood, and occupied by G. Arthur Smith. Members of Engine and Ladder Company No. 5 responded with hose carriage. Laid 200 feet of hose from hydrant.

STILL. Monday, July 1, 9.45 P. M. Two-story tenement house, 57 Lake avenue, owned by Mrs. Frank Smith, and occupied by Englos Papas. Cause, rags in attic. No damage. Chemical engine responded.

STILL. Wednesday, July 3, 6.30 A. M. Chimney fire in two-and-a-half story tenement houses, 554 North Main street, owned by George Jaques, and occupied by two families. Members of Engine and Ladder Company No. 6 responded. Used two pony extinguishers.

STILL. Saturday, July 6, 8 A. M. City dump on Putnam street. Members of Engine and Ladder Company No. 6 responded with hose carriage. Men from street department assisted. Laid 800 feet of hose from hydrant.

Box 6. Monday, July 8, 7.56 P. M. Awning of Barton Co.'s store. Cause, cigar stub thrown from window above. Box pulled by boy. Companies responding: Engines 1, 4, Chemical, Hose 1, 2, Trucks 1, 5. Damage slight.

STILL. Monday, July 8, 9.12 P. M. Two-and-a-half-story four-tenement house, 6 Dutton street, owned by Luther J. Flint, and occupied by Arthur D. Chase and others. Cause, match dropped into basket of clothes. Damage slight. Chemical engine and Hose 2 responded.

Box 6. Tuesday, July 9, 1.14 P. M. Four-story brick block, 33 Hanover street, owned by Harrington & Straw, and occupied by Richard Codaire & Co., as millinery and fancy goods store. Cause, gas heater for flatirons. Box pulled by ——— Benoit. Companies responding: Engines 1, 4, Chemical, Hose 1, 2, Trucks 1, 5. Value of building, 42,000; damage to building, \$212.50; insurance, \$28,000; insurance paid, \$212.50. Value of contents, \$5,000; damage to contents, \$1,100; insurance, \$3,300; insurance paid, \$1,100.

STILL. Wednesday, July 10, 11 A. M. Grass fire on North River road, on land of George E. Hall estate. Cause, sparks from Boston & Maine locomotive. Members of Engine and Ladder Company No. 5 responded with hose carriage. Used one pony extinguisher.

STILL. Saturday, July 13, 10.10 A. M. Chimney fire in wooden tenement block, 177 Douglas street, owned by estate of Edward Wagner and occupied by several families. Members of Engine Company No. 2 responded. No services required.

STILL. Sunday, July 14, 7.15 A. M. Electric street car while at corner Beech and Bridge street, owned by Boston & Maine Railroad Co. Cause, overheated resistance coil. Members of Hose Company No. 2 responded. Used one pony extinguisher.

STILL. Sunday, July 14, 11.45 P. M. False alarm from the Rimmon shoe shop, occupied by H. B. Reed Shoe Co. Caused by an unadjusted thermostat. No fire. Members of Engine and Ladder Company No. 6 responded.

STILL. Monday, July 15, 9 A. M. City dump on Putnam street. Members of Engine and Ladder Company No. 6 responded with hose carriage. Laid 800 feet of hose from hydrant.

Box 4. Tuesday, July 16, 10.19 P. M. A small barn in rear of 22 Spruce street, occupied by Tom Lavigne. Cause unknown. Box pulled by S. Bouses. Damage slight. Companies responding: Engines 3, 4, Chemical, Hose 1, 3, Trucks 1, 3.

STILL. Friday, July 19, 8.50 P. M. Four-tenement, three-story wooden block, 39 Nashua street, owned by Augusta S. Miller (of California), and occupied by George E. Piper and others. Cause, lighting a

match to find cat under couch, setting fire to fringe on couch. Members of Hose Company No. 2 responded. Used one pony extinguisher.

Box 71. Monday, July 29, 4.01 P. M. Tenement house at 180 Cedar street, owned by Peter T. Kean, and occupied by Eldos Papas and others. Cause, oil stove. No damage. Box pulled by citizen. Companies responding: Engines 1, 3, Chemical, Hose 1, 3, Truck 3.

STILL. Saturday, August 3, 7.55 P. M. Two-and-a-half-story double house (unoccupied), 73 Lowell street, owned by the Kennard heirs. Cause, old rubbish in cellar set by boys. No damage. Chemical engine responded.

STILL. Sunday, August 4, 8.05 P. M. Chimney fire in tenement block, 174 Douglas street, owned by William McElroy, and occupied by several families. Members of Engine Company No. 2 responded with Combination wagon. Used one pony extinguisher.

STILL. Tuesday, August 6, 3.30 P. M. Two-story tenement building, 117 Amherst street, owned by Edgerly & Whittier, and occupied by J. O'Malley. Slight fire in closet. Chemical engine responded. No services required.

STILL. Monday, August 12, 5.05 P. M. Automobile, Penn., No. 7026, on Calef road, owned by Mr. Baltz, and occupied by two men. Cause, overflow of gasoline. Hose Company No. 3 responded. Used one pony extinguisher.

STILL. Tuesday, August 13, 8.30 P. M. Pile of rubbish and brush in Stark Park, North River road. Cause, unknown. Members of Engine and Ladder Company No. 5 responded with hose carriage. No services required.

STILL. Tuesday, August 13, 11.40 P. M. Two-story-and-a-half dwelling house, 494 Chestnut street, owned by Henry C. Parsons, and occupied by Jesse L. Perkins. Cause, cigar stub thrown from window of adjacent building. Damage slight. Chemical engine responded. Used one pony extinguisher.

STILL. Wednesday, August 14, 8.52 A. M. Chimney fire in two-story tenement house, 100 Derryfield Lane, owned by Edgerly & Whittier, and occupied by Kadi Shappi. No damage. Chemical engine responded. Used one pony extinguisher.

Box 45. Friday, August 16, 6.17 A. M. Four-story brick building, corner Auburn and Canal street, owned by Gordon Woodbury, and occupied by several manufacturing firms. Cause, spontaneous combustion of oily waste. Box pulled by watchman at works. Companies responding: Engines 2, 4, Chemical, Hose 1, 3, Truck 1. No damage to building. Value of contents, \$500; damage, \$115; insurance, \$500; insurance paid, \$115.

STILL. Friday, August 16, 10.22 A. M. Two-and-a-half-story, four-tenement building, 249 Concord street, owned by William Corey, and occupied by Hervey Harris and others. Cause, stepping on snapping match. No damage to building. Chemical engine responded. Value

of contents, \$900; damage to contents, \$17.50; insurance, \$600; insurance paid, \$17.50.

STILL. Saturday, August 17, 7.10 A. M. Chimney fire in dwelling-house, 298 Sagamore street, owned by estate of Robert B. Neal, and occupied by W. G. Stack. Chemical engine responded. Used one pony extinguisher.

Box 215. Friday, August 23, 4.23 A. M. Three-story wooden carriage manufactory, corner Lincoln and Silver streets, owned and occupied by the Kimball Carriage Company. Cause, spontaneous combustion of lamp black. The damage by fire was slight, but four sprinklers were started, causing considerable water damage before they could be shut off. Box pulled by citizen. Companies responding: Engines 1, 3, Chemical, Hose 2, 3, Truck 3. Value of building, \$20,000; damage to building, \$185; insurance, \$11,000; insurance paid, \$185. Value of contents, \$22,000; damage to contents, \$3,700; insurance, \$3,500.

STILL. Friday, August 23, 11.15 A. M. Chimney fire in dwelling-house, 18 Cartier street, owned and occupied by Adam Weber. Members of Engine Company No. 2 responded with Combination wagon. Used one pony extinguisher.

STILL. Sunday, August 25, 1.20 P. M. Grass fire on North River road, on land owned by Mrs. William L. Killey. Cause, sparks from Boston & Maine locomotive. Members of Engine and Ladder Company No. 5 responded. Used one pony extinguisher.

STILL. Sunday, August 25, 3.30 P. M. Two-and-a-half-story dwelling-house, 478 Hevey street, owned by Cyprien Soucy, and occupied by two families. Cause, slight fire in closet, doing but little damage. Members of Engine and Ladder Company No. 6 responded. Used one pony extinguisher.

Box 321. Wednesday, August 28, 1.41 P. M. Three-story dwelling-house, 344 Dubuque street, owned by Louisa Fontaine, and occupied by her and William N. Gamelin. Cause, defective chimney stopper. Box pulled by citizen. Companies responding: Engines 2, 6, Hose 1, Trucks 1, 6. Extinguished by Combination No. 2 with chemical. Value of building, \$4,000; damage to building, \$200; insurance, \$3,000; insurance paid, \$200. No damage to contents.

Box 215. Thursday, August 29, 11.34 A. M. Barn, in rear 420 Harvard street, owned by Gideon Cormier, and occupied by Fred Cormier. Cause, unknown. Box pulled by Joseph Cormier. Companies responding: Engines 3, 4, Chemical, Hose 2, 3, Truck 3. Value of building, \$250; damage, \$250; insurance, \$100; insurance paid, \$100.

Box 82. Thursday, August 29, 2.45 P. M. One-story wooden building, 1122 Elm street, owned by heirs of J. R. Weston and Warren Harvey, and occupied by Edward McChane as lunch room. Cause, unknown. Box pulled by citizen. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Extinguished before arrival of apparatus. Value of building, \$2,500; damage to building \$25; insurance, \$1,000; insurance paid, \$25.

2—2—2. Thursday, August 29, 3.43 P. M. Telephone message from Hedding campmeeting, Epping, N. H., for assistance. Loaded Engine 1 and hose wagon, Chemical engine, six horses and twenty-five men, under charge of Engineers Merrill and Seaward. On arrival fire was under subjection and apparatus not unloaded.

STILL. Thursday, August 29, 5.03 P. M. Chimney fire in two-story wooden tenement block, 40 Merrimack street, owned by K. of P. Syndicate, and occupied by Nicles Papas and others. No services required.

Box 511. Saturday, August 31, 11.39 P. M. A small one-story building on west shore of 'Squog river, owned by Joseph Cerveny, and occupied by him as paint shop. Cause, spontaneous combustion. Box pulled by citizen. Companies responding: Engines 2, 6, Truck 6. Value of building, \$300; damage to building, \$300; insurance, \$150; insurance paid, \$145. Value to contents, \$350; damage to contents, \$350; insurance, \$150; insurance paid, \$150.

Box 4. Sunday, September 8, 4.31 A. M. Two-story tenement house, 55 Lake avenue, owned by the Gallagher heirs, and occupied by John Blatis and others. Cause, lamp too near partition ignited woodwork, burning a small hole through the boarding. Extinguished before arrival of apparatus. Box pulled by citizen. Companies responding: Engines 1, 3, Chemical, Hose 1, 3, Trucks 1, 3.

STILL. Monday, September 9, 6.45 A. M. Four-story brick block, 22 Concord street, owned by heirs of George B. and Henry Chandler, and occupied by Adelle Cloutier and others. Cause, smoky stove. Chemical engine responded.

Box 6. Saturday, September 14, 11.09 A. M. Four-story brick block, 23 Hanover street, owned by Charlotte A. Holmes, and occupied by Sam B. Tarrant, hair goods dealer. Cause, oil stove in closet in rear of store. Box pulled by citizen. Companies responding: Engines 1, 4, Chemical, Hose 1, 2, Trucks 1, 5. Extinguished by Chemical engine.

2—2—2. Wednesday, September 18, 2.05 P. M. A barn at Bedford Center, owned and occupied by Mrs. Charles Woodbury. Engine 2 and Chemical responded, driving over the road, but the flames were so far subdued that Engine 2 was ordered back when within about one half mile of fire. The Chemical proceeded and used two chemical tanks upon the ruins.

Box 82. Saturday, September 21, 5.50 P. M. Smoke was seen issuing from the Bridge street garage at 24 Bridge street, caused by testing an automobile. No fire. Box pulled by a boy. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5.

Box 213. Saturday, September 21, 8.23 P. M. Small cottage rear No. 20 "Chenetteville," South Beech street, owned by R. P. Stevens, and occupied by a Greek family. Cause, lamp explosion, but no fire. Box pulled by citizen. Companies responding: Engines 1, 3, Chemical, Hose 2, 3, Truck 3.

STILL. Monday, September 23, 9.10 P. M. Unslacked lime in build-

ing undergoing repairs at 87 North street, owned by Frank Tracey, coming in contact with an overflowed sewer. Members of Engine and Ladder Company No. 5 responded with hose carriage.

STILL. Tuesday, September 24, 12.30 A. M. Unslacked lime in three-story building under construction by Bunton & Benard on Dubuque street. Cause, water in contact with lime barrel. Members of Engine and Ladder Company No. 6 responded with hose carriage.

Box 5. Saturday, September 28, 1.18 A. M. Four-story brick block, 694-8 Elm street, owned by estate of Michael Prout, and occupied by Annis & Co. as grocery and general merchandise store. The fire originated in the basement and was caused by kettle of syrup left boiling over night. Box pulled by Officer Parmenter. Companies responding: Engines 1, 3, Chemical, Hose 1, 3, Trucks 1, 3. Damage to building slight.

STILL. Saturday, September 28, 11.45 A. M. Chimney fire in four-story wooden block, 57 Pearl street, owned by Nason Hall and occupied by C. Bertrand and others. No damage. Used one pony extinguisher.

STILL. Monday, September 30, 2.32 P. M. A smoky chimney in "ten-footer," 58 West Central street, owned by Mrs. Thomas Morgan and occupied by Wm. T. Morgan. Chemical engine responded. No services required.

STILL. Thursday, October 3, 10.15 A. M. Chimney fire in two-tenement house, 281 Central street, owned by William Sullivan, and occupied by J. Hartnett. Members of Engine and Ladder Company No. 3 responded. Used two pony extinguishers.

Box 4. Friday, October 4, 1.42 P. M. Smoking stove in four-story brick block, 27 Lake avenue, owned by heirs of Patrick Harrington, in tenement occupied by Catherine Baldwin. No services required. Companies responding: Engines 3, 4, Chemical, Hose 1, 3, Trucks 1, 3.

STILL. Monday, October 7, 9 A. M. City dump on Putnam street. Members of Engine and Ladder Company No. 6 responded. Laid 800 feet of hose from hydrant.

STILL. Tuesday, October 8, 1.15 A. M. Chimney fire in wooden tenement block, 655 Chestnut street, owned by Mrs. C. J. Senter, and occupied by J. J. McCarthy and others. Members of Engine and Ladder Company No. 5 responded with hose carriage. No services required.

STILL. Tuesday, October 8, 11.16 A. M. Three-story brick and stone building, 876 Elm street, owned and occupied by the New Hampshire Fire Insurance Co. Cause, false alarm from automatic thermostat. Chemical engine responded.

STILL. Wednesday, October 9, 10.15 A. M. False alarm from an unadjusted thermostat in four-story brick shoe shop on Willow street, owned by Cohas Building Co., and occupied by McElwain Shoe Co. Hose Company No. 3 responded.

STILL. Wednesday, October 9, 1.45 P. M. An automobile at 444 Hall street, owned by Levi W. Page. Members of Engine and Ladder Company No. 3 responded. Used one pony extinguisher.

STILL. Friday, October 11, 12.50 P. M. Concrete works on Donald street, owned and occupied by Robie Concrete Co. Cause, about 750 gallons hot pitch caught fire, but was extinguished with a line of hose from the company's private hydrant by their employees. Members of Engine Company No. 2 responded with Combination wagon, but their services were not needed.

Box 3. Sunday, October 13, 1.46 A. M. A brick iron foundry, corner Elm and Valley street, owned and occupied by the American Locomotive Company. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 1, 3, Trucks 1, 3. Value of building, \$20,000; damage to building, \$25; blanket insurance; insurance paid, \$25. No damage to contents.

Box 45. Sunday, October 13, 4.20 P. M. Boiler room of the four-story brick building, corner Canal and Cedar streets, owned by Gordon Woodbury, and occupied by several mercantile firms. Cause, sparks from boiler, igniting shavings in bin. Damage slight. Companies responding: Engines 1, 2, Chemical, Hose 1, 3, Trucks 1.

STILL. Wednesday, October 16, 3.30 P. M. Grass fire at Riverside on North River road, owned by Mrs. L. Melville French. Members of Engine and Ladder Company No. 5 responded. Used one pony extinguisher.

Box 21. Friday, October 18, 12.16 P. M. Two-and-a-half-story wooden tenement block, 130-132 Merrimack street, owned by John F. Melady, and occupied by several families. Cause, sparks from chimney ignited shingles on roof. Box pulled by citizens. Companies responding: Engines 3, 4, Chemical, Hose 1, Trucks 1, 3.

STILL. Friday, October 18, 12.26 P. M. Brush and grass fire on vacant land, rear of 403 Coolidge avenue, owned by Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 6 responded.

STILL. Saturday, October 19, 9.30 P. M. Four-story brick block, 897 Elm street, owned by William H. Plumer, and occupied by L. P. Labonte as ladies' furnishing goods. Cause, "smell of smoke." Chemical engine responded. Services not required.

Box 71. Tuesday, October 22, 5.02 P. M. Chimney fire in two-and-a-half-story tenement house, 120 Auburn street, owned by Michael Britton, and occupied by Michael Coleman and Nora Connor. Box pulled by boy. Companies responding: Engines 3, 4, Chemical, Hose 1, 3, Truck 3. Used two pony extinguishers and water from garden hose.

STILL. Friday, October 25, 5.34 A. M. Chimney fire in four-story wooden tenement block, 1 Washington Block, Pearl street, owned by Charles C. Hayes, and occupied by Oliver Gagnon and others. Chemical engine responded. Used one pony extinguisher.

Box 213. Saturday, October 26, 4.28 A. M. Three-story wooden building, South Beech street, junction of Portsmouth Railroad, owned and occupied by the Derryfield Company for the manufacture of doors, sash and blinds. The fire started in the machine room around a forge.

Box pulled by watchman. Companies responding: Engines 1, 3, Chemical, Hose 2, 3, Truck 3. There was a small loss at this fire, and I made *five separate requests* of their office, but was unable to get any returns whatever.

Box 8. Thursday, October 31, 4.56 P. M. Three-and-a-half-story wooden tenement block, 1275 Elm street, owned by heirs of David H. Young and occupied by Mrs. Eliza Gage as boarding-house. Fire originated in a bed in one of the sleeping rooms from some unknown cause. Box pulled by citizen. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Value of building, \$30,000; damage to building, \$10; insurance, \$20,000; insurance paid, \$10. Value of contents, \$1,500; damage to contents, \$40; insurance, \$1,000; insurance paid, \$40.

Box 24. Saturday, November 2, 7.19 A. M. Two-and-a-half-story tenement house, 428 East Spruce street, owned by L. V. Tasker, and occupied by Al Tibbetts, C. E. Warren, and R. W. Wilson. Cause, hot ashes in rubbish box on roof of L part. No damage. Box pulled by citizen. Companies responding: Engines 1, 3, Combination 2, Hose 2, Truck 3.

STILL. Saturday, November 2, 8.15 P. M. Six tenement wooden block, 514 Maple street, owned by Charles Carpenter of Chichester, N. H., and occupied by John D. Burns and others. Cause, lighted lamp carelessly used in clothes closet. No damage. Hose Company No. 2 responded. Used one pony extinguisher.

STILL. Monday, November 4, 8.30 P. M. Automobile (en route) on Amory street, owned by Joseph Quirin. Members of Engine and Ladder Company No. 6 responded. Used one pony extinguisher.

STILL. Monday, November 4, 9.48 P. M. Four-story brick building on Willow street, owned by Cohas Building Company, and occupied by McElwain Shoe Company for manufacturing shoes. Cause, spontaneous combustion of oily waste too near steam pipes. No damage. Hose Company No. 3 responded. Used one pony extinguisher.

STILL. Wednesday, November 6, 9.30 P. M. One-story wooden building, 41 Amherst street, owned and occupied by Dowd Brothers as liquor saloon. Cause, slight fire in old coat hanging on wall. Members of Chemical Company responded.

STILL. Wednesday, November 6, 10.30 P. M. "Wild cat" call from Lake avenue, near Pine street. Members of Chemical Company responded, but could find nothing.

STILL. Tuesday, November 12, 9.55 A. M. Chimney fire in tenement house, 312 Front street, owned by Guarantee Savings Bank, and occupied by Samuel Nelson. Members of Engine and Ladder Company No. 5 responded with hose carriage. Used one pony extinguisher.

STILL. Thursday, November 14, 6.10 P. M. Chimney fire in four-story brick block, owned by E. M. Topliff, and occupied by several stores and offices. Chemical engine responded. Used one pony extinguisher.

STILL. Saturday, November 16, 9.27 A. M. Four-story wooden tenement block, 16 Clark avenue, Pearl street, owned by Dennett & Higgins, and occupied by Cyrille Gagnon and others. Cause, burning chimney. Members of Chemical Company responded. Used two pony extinguishers.

STILL. Sunday, November 17, 2.10 P. M. One-story wooden building, 1118 Elm street, owned by heirs of Harvey & Weston, and occupied by Greeks for blacking shoes. Cause, slight fire in partition. Members of Chemical Company responded. Used one pony extinguisher. Value of building, \$2,500; damage to building, \$18.50; insurance, \$1,000; insurance paid, \$18.50. No damage to contents.

STILL. Monday, November 18, 4.20 A. M. Cottage house, 24 Russell street, owned by Mrs. B. N. Dow, and occupied by Grace Lincoln. Cause, defective chimney, igniting mattresses and furniture stored. Chemical engine responded. Used one tank and one pony extinguisher. Value of building, \$1,500; damage to building, \$25; insurance, \$1,500; insurance paid, \$25. No damage to contents.

Box 56. Tuesday, November 19, 2.06 A. M. Two-and-a-half-story dwelling-house, 258 Mast street, owned by Mrs. Nancy W. Smith, and occupied by her and H. H. Bailey. Cause, unknown. Box pulled by citizen. Companies responding: Engines 2, 6, Hose 1, Truck 6. Value of building, \$3,000; damage to building, \$497.83; insurance, \$900; insurance paid, \$497.83. Value of Smith's contents, \$2,500; damage to Smith's contents, \$492.91; insurance, \$900; insurance paid, \$492.91. Value of Bailey's contents, \$1,700; damage to Bailey's contents, \$56; insurance, \$1,000; insurance paid, \$56.

STILL. Wednesday, November 20, 8.07 P. M. City dump, corner Lincoln and Cedar streets. Cause, spontaneous combustion. Members of Engine and Ladder Company No. 3 responded. Laid 150 feet of hose from hydrant.

STILL. Thursday, November 21, 9.10 P. M. Barn on Calef road, owned and occupied by Harrison D. Lord and filled with hay. Cause, set by tramps. Hose Company No. 3 responded, also delegation from Engine and Ladder Company No. 3. On duty eight hours. Value of building, \$800; damage to building, \$800; insurance on, \$400; insurance paid, \$400. Value of contents, \$432; damage to contents, \$432; insurance, \$100; insurance paid, \$100.

Box 82. Saturday, November 23, 5.58 P. M. Chimney fire in two-and-a-half-story dwelling-house, 44 Bridge street. Needless alarm. Box pulled by citizen. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5.

STILL. Sunday, November 24, 11.01 A. M. Chimney fire in cottage house, 316 Manchester street, owned and occupied by A. D. Hunkins. Members of Engine and Ladder Company No. 3 responded with hose wagon. Used two pony extinguishers.

STILL. Sunday, November 24, 6.20 P. M. Chimney fire in one-story

wooden building, 24 Pleasant street, owned by Manchester Savings Bank, and occupied by the Brodie Electric Company. Members of Chemical Company responded. Services not required.

STILL. Sunday, November 24, 7.50 P. M. Four-story brick building on North River road, the State Industrial school, owned by the state of New Hampshire. Cause, smoke from wood put in oven to dry. Members of Engine and Ladder Company No. 5, with hose carriage and Chemical engine, responded. No services required.

STILL. Tuesday, November 26, 12.15 A. M. Four-story brick block, West Cedar street, corner Franklin, owned and occupied by Swift Beef Company. Cause, smoke from ham-smoking house. Chemical engine responded. No services required.

Box 72. Tuesday, November 26, 10.30 P. M. Cottage house, 319 Spruce street, owned by Mrs. Arianna Atwood and occupied by Michael Hawkins. Cause, unknown. Box pulled by Frank Hawkins. Companies responding: Engines 1, 3, Chemical, Hose 2, 3, Truck 3. Value of building, \$1,400; damage to building, \$138; insurance, \$800; insurance paid, \$138. Value of contents, \$1,200; damage to contents, \$100; insurance, \$500; insurance paid, \$100.

Box 5. Saturday, November 30, 11.14 P. M. Four-story brick block, 15 West Merrimack street, owned by Dr. J. F. Brown, and occupied by Matthew J. Dollard as a liquor saloon. Cause, cigar stub thrown into sawdust spittoon, burning small hole through the floor. Box pulled by officer. Companies responding: Engines 1, 3, Chemical, Hose 1, 3, Trucks 1, 3. Value of building, \$24,000; damage to building, \$39.72; insurance, \$16,000; insurance paid, \$39.72.

STILL. Sunday, December 1, 6.37 P. M. Chimney fire in tenement house, 46 South Main street, owned by George S. Eastman, and occupied by several families. Members of Engine Company No. 2 responded. Used two pony extinguishers.

STILL. Monday, December 2, 8.19 P. M. Chimney fire in three-story wooden tenement block, 220 Chestnut street, owned by P. J. Horan, and occupied by Joseph Orlette and others. Members of Engine and Ladder Company No. 3 and Chemical Company responded. No services required.

STILL. Thursday, December 5, 6.13 P. M. Chimney fire in tenement block, 114 Central street, owned and occupied by Antonio Posmus. Chemical engine responded. Used one pony extinguisher.

STILL. Thursday, December 5, 6.30 P. M. Chimney fire in four-story brick tenement and mercantile block, 1292 Elm street, owned by Edwin Kennedy and others. Chemical engine responded. Used one pony extinguisher.

STILL. Monday, December 9, 7.13 A. M. Four-and-a-half-story brick block, 1094 Elm street, owned by Smith & Carpenter, and occupied by Joel S. Daniels as paint shop. Cause, slight fire in cellar, caused by igniting turpentine. No damage. Chemical engine responded. No services required.

STILL. Monday, December 9, 5.25 P. M. Brush fire on unoccupied land on Kelly street, owned by Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 6 responded.

Box 7. Monday, December 9, 9.51 P. M. One-story wooden building, 84 Manchester street, owned by E. W. Harrington heirs, and occupied by Stevens & Bradley as a plumber's shop. Cause, spontaneous combustion from oily waste. Box pulled by officer. Companies responding: Engines 3, 4, Chemical, Hose 1, Trucks 1, 3. Extinguished by Chemical engine. Value of building, \$4,000; damage to building, \$80; insurance, \$4,000; insurance paid, \$80. Value of contents, \$6,000; damage to contents, \$300; insurance, \$1,000; insurance paid, \$300.

Box 4. Tuesday, December 10, 11.57 A. M. Chimney fire in tenement house, 49 Spruce street. Box pulled by citizen. Companies responding: Engines 1, 3, Chemical, Hose 1, 3, Trucks 1, 3. Used one pony extinguisher.

STILL. Thursday, December 12, 9.45 A. M. Cottage house, 109 Goffe's street, owned and occupied by Mark O. Robinson. Cause, kettle of fat boiling over. No damage. Members of Engine Company No. 2 responded with Combination wagon.

STILL. Thursday, December 12, 2.22 P. M. False alarm by crossing of wires of the N. H. Fire Insurance Co.'s private alarm. Chemical engine responded.

Box 117. Sunday, December 15, 12.29 P. M. Cottage house, 239 Sagamore street, owned by Augustus F. Waite of Dunbarton, and occupied by Walter L. Kimball. Cause, explosion of bottle of patent furniture stain. Box pulled by Mr. Kimball. Companies responding: Engine 5, Chemical, Hose 2, Truck 5. Value of building, \$4,500; damage, \$285; insurance, \$3,000; insurance paid, \$285. Value of contents, \$1,500; damage to contents, \$20; insurance, \$1,000; insurance paid, \$20.

STILL. Sunday, December 15, 5.45 P. M. Chimney fire in tenement house, 115 Central street, owned by Mrs. Cullity, and occupied by several families. Members of Chemical Company responded. Used one pony extinguisher.

Box 323. Saturday, December 21, 2.37 A. M. Two-and-a-half-story wooden tenement house, 151 Thornton street, owned by Henry Gossler, and occupied by him, Christian Seifert, and another family. Cause, furnace too near woodwork ignited timbers and spread through the partitions to the attic. Box pulled by Seifert. Companies responding: Engines 2, 6, Hose 1, Truck 6. Value of building, \$2,800; damage to building, \$525; insurance, \$2,200; insurance paid, \$525. Value of contents, \$1,000; damage to contents, \$520; no insurance.

STILL. Saturday, December 21, 7.30 A. M. Rekindling of previous fire from sparks in partition. Members of Engine and Ladder Company No. 6 responded. Used one pony extinguisher.

STILL. Saturday, December 21, 1.45 P. M. Chimney fire in tenement house, 192 Amherst street, owned by Henry W. Parker, and occupied by John Olson. Used one pony extinguisher.

Box 511. Sunday, December 22, 8.26 A. M. Two-and-a-half-story wooden tenement block, 204 Douglas street, owned by J. F. Wyman, and occupied by E. Bourbeau and others. Cause, chimney burning out. Box pulled by E. Bourbeau. Companies responding: Engines 2, 6, Truck 6. Used two pony extinguishers and one chemical tank.

STILL. Monday, December 23, 4.40 P. M. Chimney fire in wooden tenement house, 211 Hanover street, owned by James Leach, and occupied by William Mellen. Members of Chemical Company responded. No services required.

Box 4. Wednesday, December 25, 8.42 A. M. Four-story wooden block, 597-599 Elm street, owned by John M. Johnson of West Derry, and occupied by several parties as stores and tenements. Cause, defective chimney. Box pulled by citizen. Companies responding: Engines 3, 4, Chemical, Hose 1, 3, Trucks 1, 3. Value of building, \$7,000; damage to building, \$1,200; insurance, \$6,000; insurance paid, \$1,200. Value of contents of J. Costakis & Co., \$2,500; damage to contents, \$83.57; insurance, \$2,000; insurance paid, \$83.57. Value of J. J. Griffin's contents, \$2,500; damage to contents, \$206; insurance, \$1,800; insurance paid, \$206.

Box 8. Friday, December 27, 10.49 P. M. Two-story brick building, rear of 1308 Elm street, owned and occupied by Hubbard Sash and Blind Co. Cause, spontaneous combustion of oily waste. Box pulled by Officer Berwin. Companies responding: Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Extinguished by Chemical engine. Value of building, \$6,000; damage to building, \$50; no insurance. Value of contents, \$5,000; damage to contents, \$25; no insurance.

STILL. Saturday, December 28, 12.55 A. M. Smoldering embers of previous fire at sash and blind factory. Chemical engine responded. Used one pony extinguisher.

STILL. Sunday, December 29, 2.50 P. M. Four-story wooden block, 54 McGregor street, owned by P. D. Lynch, and occupied as two stores and six tenements. Cause, defective chimney, from which fire started in partition. Members of Engine and Ladder Company No. 6 responded with hose carriage. Used one pony extinguisher.

STILL. Tuesday, December 31, 11.27 A. M. Chimney fire in four-story block, 13 Kidder street, owned by Josiah Carpenter, and heirs of Frederick Smyth, and occupied by Albert Ayers and others. Chemical engine responded. Used one pony extinguisher.

STILL. Tuesday, December 31, 5.55 P. M. Three-story wooden tenement house, 437 Rimmon street, owned by Thomas J. Mahoney and occupied by Albert Ladauceur. Cause, lace curtain caught fire. Members of Engine and Ladder Company No. 6 responded. Used one pony extinguisher.

Number of Alarms, by Months.

	Box	Still	Total
January	7	19	26
February	11	26	37
March	4	15	19
April	9	39	48
May	7	13	20
June	14	11	25
July	4	11	15
August	7	13	20
September	6	5	11
October	7	11	18
November	5	16	21
December	7	16	23
	88	195	283

COMPANIES RESPONDING.

MONTHS.	ENGINES.						Chemical.	HOSE.				Comb't'n 2.	TRUCKS.			
	1	2	3	4	5	6		1	2	3			1	3	5	6
January	3	2	4	3	1	2	8	6	2	2	0	4	4	1	0	
February	7	0	5	7	4	0	12	10	7	3	0	8	6	4	0	
March	1	3	1	1	0	3	4	3	0	0	1	1	1	0	3	
April	3	2	5	4	2	2	7	5	4	10	0	4	5	1	2	
May	3	1	4	4	1	1	6	2	4	4	0	2	4	1	1	
June	5	4	8	6	1	6	5	7	7	4	4	4	8	1	4	
July	3	0	2	3	0	0	6	4	4	1	0	3	2	2	0	
August	3	3	2	3	1	2	11	3	3	4	0	3	2	1	2	
September	5	1	3	2	1	0	8	4	3	3	0	4	3	2	0	
October	3	1	5	5	1	0	9	6	2	6	0	5	5	1	0	
November	4	1	3	1	1	1	7	3	4	4	1	2	3	1	1	
December	2	2	3	3	2	2	11	5	2	2	0	4	3	2	2	
Total	42	20	45	42	15	19	94	58	42	43	6	44	46	17	15	

Estimated Value of Property.

Engine No. 1.

LOCATED ON VINE STREET.

1 first-size Amoskeag steamer	\$4,000.00
1 one-horse wagon	400.00

3 gray horses for steamer.....	\$600.00
1 gray horse for hose wagon.....	200.00
4 swinging harnesses	200.00
1 pair double exercise harnesses.....	50.00
1 single exercise harness.....	40.00
2,350 feet of fabric hose.....	1,057.50
Stable fixtures, blankets, etc.....	80.00
Tools, furniture, and fixtures.....	200.00
Firemen's suits and badges.....	125.00
Total amount	<hr/> \$6,952.50

Engine No. 2.

LOCATED AT NORTH MAIN STREET, 'SQUOG.

1 second-size Amoskeag steamer.....	\$4,000.00
1 Combination Chemical and hose wagon.....	1,700.00
1 exercise wagon, poles, shafts, and three-horse hitch..	250.00
3 horses for steamer.....	600.00
1 pair horses for hose wagon.....	400.00
3 exercise harnesses, 2 at \$40, 1 at \$20.....	100.00
5 swinging harnesses	250.00
1 double sled	60.00
3,300 feet of fabric hose.....	1,485.00
Stable fixtures and blankets.....	94.00
Furniture, fixtures, carpets, etc.....	466.00
Firemen's suits and badges.....	125.00
Total amount	<hr/> \$9,530.00

Engine and Ladder No. 3.

LOCATED ON LAKE AVENUE, CORNER MASSABESIC STREET.

1 first-size Amoskeag steamer.....	\$4,750.00
1 two-horse hose wagon.....	400.00
1 three-horse truck and equipments.....	1,900.00
3 horses for steamer.....	550.00
1 pair bay horses for hose wagon.....	400.00
3 horses for truck.....	600.00
4 exercise harnesses.....	180.00
8 swinging harnesses.....	400.00
3,100 feet of fabric hose.....	1,395.00
Stable fixtures, blankets, etc.....	80.00

Beds, bedding, carpets, hall furniture, etc.....	\$575.00
Firemen's suits and badges.....	150.00
1 exercise wagon.....	250.00
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Total amount	\$11,630.00

Engine No. 4.

LOCATED ON VINE STREET.

1 first-size Amoskeag steamer.....	\$4,200.00
1 hose wagon	400.00
3 horses for steamer.....	600.00
1 horse for hose wagon.....	150.00
4 exercise harnesses.....	60.00
4 swinging harnesses.....	200.00
2,100 feet of fabric hose.....	945.00
Hall furniture, beds, bedding, etc.....	275.00
Stable fixtures and blankets.....	75.00
Firemen's suits and badges.....	125.00
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Total amount	\$7,030.00

Engine and Ladder No. 5.

LOCATED ON WEBSTER STREET, CORNER CHESTNUT.

1 third-size Amoskeag steamer.....	\$3,600.00
1 two-wheeled Amoskeag hose carriage.....	600.00
1 steel frame ladder truck.....	1,650.00
1 pair bay horses for steamer.....	400.00
1 pair bay horses for truck.....	400.00
1 bay horse for hose carriage.....	200.00
1 exercise wagon	325.00
1 double sled	50.00
1 single sled	25.00
5 swinging harnesses.....	250.00
2 pairs exercise harnesses.....	100.00
2,100 feet of fabric hose.....	945.00
Bedding, furniture, tools, etc.....	307.00
Stable fixtures, blankets, etc.....	90.00
Firemen's suits, badges, etc.....	150.00
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Total amount	\$9,092.00

Engine and Ladder No. 6.

LOCATED AT CORNER AMORY AND RIMMON STREETS.

1 second-size Amoskeag steamer.....	\$3,500.00
1 hook-and-ladder truck (with Bangor extension).....	1,680.00
1 one-horse carriage	600.00
2 gray horses for steamer.....	300.00
2 bay horses for truck.....	267.00
1 gray horse for hose carriage.....	150.00
5 swinging harnesses.....	250.00
2,300 feet of fabric hose.....	1,035.00
Hall furniture, carpets, beds, bedding, etc.....	375.00
Stable fixtures, blankets, etc.....	85.00
Firemen's suits and badges.....	150.00
1 exercise wagon	290.00
Total amount	<u>\$8,682.00</u>

Hose No. 1.

LOCATED ON VINE STREET.

1 four-wheeled Amoskeag hose carriage.....	\$600.00
2 horses	300.00
2 single harnesses.....	70.00
1 set Hobbs' runners.....	90.00
1 hose sled	20.00
1,500 feet of fabric hose.....	675.00
Furniture and fixtures.....	200.00
Beds, bedding, etc.....	60.00
Stable fixtures and blankets.....	50.00
Firemen's suits and badges.....	100.00
Total amount	<u>\$2,165.00</u>

Hose No. 2.

LOCATED ON MAPLE STREET, CORNER OF EAST HIGH.

1 two-horse hose wagon.....	\$600.00
2 bay horses	500.00
2 swinging harnesses.....	100.00
1 exercise wagon.....	325.00
1,800 feet of fabric hose.....	810.00

Furniture and fixtures, beds and bedding.....	\$150.00
Firemen's suits and badges.....	100.00
Total amount	<u>\$2,585.00</u>

Hose No. 3.

LOCATED ON SOUTH ELM STREET, BAKERSVILLE.

1 combination hose wagon (with ladders).....	\$1,000.00
1 pair gray horses.....	100.00
1 pair swinging harnesses.....	100.00
1 pair exercise harnesses.....	50.00
1 exercise wagon	260.00
2,000 feet of fabric hose.....	900.00
Furniture, fixtures, bedding, etc.....	85.00
Stable fixtures, blankets, etc.....	65.00
Firemen's suits and badges.....	80.00
Total amount	<u>\$2,640.00</u>

Combination Hose and Chemical No. 2.

LOCATED ON WESTON STREET, CORNER OF CONCORD.

1 Combination Chemical and hose wagon.....	\$1,700.00
2 bay horses	550.00
2 swinging harnesses	100.00
1 exercise wagon	250.00
1,900 feet of fabric hose.....	855.00
Furniture, fixtures, bedding, etc.....	482.00
Stable fixtures and blankets.....	50.00
Firemen's suits and badges.....	80.00
Total amount	<u>\$4,067.00</u>

Hook and Ladder Company No. 1.

LOCATED ON VINE STREET.

1 aërial hook-and-ladder truck.....	\$4,200.00
3 horses	600.00
3 exercise harnesses	75.00
3 swinging harnesses	150.00

REPORT OF THE FIRE ENGINEER.**339**

2 extra Bangor extension ladders.....	\$360.00
3 rubber blanket covers.....	72.00
Furniture and fixtures	200.00
Beds, bedding, and furniture.....	75.00
Stable fixtures and blankets.....	60.00
Firemen's suits and badges.....	150.00
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Total amount	\$5,942.00

Chemical Engine No. 1.

LOCATED ON VINE STREET.

1 double tank (60 gallons each) engine.....	\$2,250.00
1 pair bay horses.....	500.00
1 pair of exercise harnesses.....	50.00
1 pair swinging harnesses.....	100.00
Furniture and fixtures.....	75.00
Stable fixtures and blankets.....	50.00
Firemen's suits and badges.....	35.00
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Total amount	\$3,060.00

Supply Wagon.

1 supply wagon, with coal boxes.....	\$150.00
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Exercise Wagon.

AT CENTRAL STATION, VINE STREET.

1 four-wheeled exercise wagon with pole, shafts, three-horse hitch, and coal boxes.....	\$250.00
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Spare Hose Carriage and Hose.

AT CENTRAL STATION, VINE STREET.

1 four-wheeled hose carriage.....	\$200.00
800 feet of fabric hose (for re-lining).....	160.00
1,300 feet of fabric hose, new.....	780.00
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Total amount	\$1,140.00

E. W. Harrington Steam Fire Engine.

STORED AT SHEDS OF ENGINE NO. 2.

Old U tank Amoskeag engine (worth for exchange)....	\$200.00
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Engineers' Department.

1 bay horse	\$325.00
1 chief's wagon	275.00
1 swinging harness	37.00
5 engineers' white rubber coats.....	37.50
5 engineers' lanterns.....	20.00
Blanket, robe, etc.....	15.00
Furniture and fixtures.....	150.00
 Total amount	 \$859.50

Riverside Hose Company No. 5.

LOCATED AT CORNER OF OLD FALLS ROAD AND FRONT STREET.

1 four-wheeled hose carriage.....	\$400.00
800 feet of leather hose.....	200.00
800 feet of fabric hose.....	240.00
2 hose-pipes, spanners, etc.....	40.00
Furniture and fixtures.....	10.00
 Total amount	 \$890.00

Hallsville Hose Company No. 6.

LOCATED AT CORNER OF MAMMOTH ROAD AND MASSABESIC STREET.

1 four-wheeled hose carriage.....	\$200.00
500 feet of fabric hose.....	150.00
Nozzle, wrenches, etc.....	15.00
 Total amount	 \$365.00

Goffe's Falls Hose Carriage.

LOCATED AT DEVONSHIRE MILLS.

1 two-wheeled hose carriage.....	\$30.00
400 feet of fabric hose.....	120.00
2 hosepipes	10.00
Total amount	<u>\$160.00</u>

Pond Road Hose Carriage.

LOCATED IN BASEMENT OF W. P. FARMER'S BARN.

1 two-wheeled hose carriage.....	\$30.00
500 feet of leather hose.....	125.00
Total amount	<u>\$155.00</u>

Sleeping Hall.

AT CENTRAL STATION, VINE STREET.

4 beds, bedding, wardrobe, etc.....	\$150.00
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Extra Horses.

1 steel gray horse.....	\$60.00
1 gray horse	200.00
Total amount	<u>\$260.00</u>

Fire Alarm Telegraph.

At cost, including additions.....	\$23,550.00
Remodeling in 1885.....	6,000.00
"Individual tapper" system.....	4,000.00
Boxes and wire added in 1907.....	1,000.00
Storage battery	1,850.00
Switch protector board.....	175.00
Wire, brackets, and tools.....	200.00
Repair wagon	150.00
Total amount	<u>\$36,925.00</u>

Recapitulation.

Engine Company No. 1.....	\$6,952.50
Engine Company No. 2.....	9,530.00
Engine and Ladder Company No. 3.....	11,630.00
Engine Company No. 4.....	7,030.00
Engine and Ladder Company No. 5.....	9,092.00
Engine and Ladder Company No. 6.....	8,682.00
Hose Company No. 1.....	2,165.00
Hose Company No. 2.....	2,585.00
Spare Hose Carriage and Hose.....	1,140.00
Hose Company No. 3.....	2,640.00
Combination Hose and Chemical No. 2.....	4,067.00
Hook and Ladder Company No. 1.....	5,942.00
Chemical Engine Company No. 1.....	3,060.00
Supply wagon	150.00
Exercise wagon (Central Station).....	250.00
The "old Harrington" Engine.....	200.00
Engineers' department	859.50
Riverside Hose Company.....	890.00
Hallsville Hose Company.....	365.00
Goffe's Falls Hose Carriage.....	160.00
Pond Road Hose Carriage.....	155.00
Sleeping hall (Central Station).....	150.00
Extra horses	260.00
Fire-alarm telegraph	36,925.00
Total	\$114,880.00

BOARD OF ENGINEERS.

Badge No.	NAME.	Rank.	Occupation.	Residence.
1	Thomas W. Lane.....	Chief	Chief engineer.....	1937 Elm.
2	Clarence R. Merrill	Assistant ..	Grain dealer.....	414 Merrimack.
5	John F. Seaward..	"	Carpenter.....	27 Warren.
3	Arthur Provost.....	"	Wool-sorter.....	526 Notre Dame av
4	Thomas F. Fitzsimmons	"	Painter	258 Notre Dame av

ENGINE COMPANY No. 1.

House 28 Vine Street.

Badge No.	NAME.	Rank.	Occupation.	Residence.
7	Charles F. McCoy.....	Captain.....	Machinist.....	50 Mechanic
15	George F. Millar.....	Lieutenant.....	Gasfitter.....	15 Blodget.
11	Frank H. Harvey.....	clk & driver eng.	Teamster.....	28 Vine
6	Charles F. Hall.....	Engineer.....	Engineer.....	28 Vine
8	Frank E. Stearns.....	Asst. engineer..	Paper hanger.....	450 Merrimack..
12	Clarence F. Kemp.....	Driver hose.....	"	28 Vine
9	Lewis G. Bryant.....	Hoseman.....	Carpenter.....	417 Central
17	Melvin Walker.....	"	"	6 Canal.
19	Charles H. Fraser.....	"	"	363 Concord.
13	Stanley H. Patten.....	"	Tinsmith.....	578 Chestnut.
10	George E. Boulton.....	"	Coachman.....	355 Amherst.
14	Henry A. Burns.....	"	Loom fixer....	424 Amherst.
16	Harry E. Belknap.....	"	Carpenter.....	530 Wilson.
18	Lester C. Rhodes.....	"	Machinist.....	477 Belmont.

ENGINE COMPANY No. 2.

House on North Main Street, 'Squog.

Badge No.	NAME.	Rank.	Occupation.	Residence.
76	Jeremiah Lane.....	Captain.....	Permanent man...	210 No. Main.
68	James E. Perrigo.....	Lieutenant.....	Foreman	55 School.
67	Archibald A. Gorham..	Clerk.....	U. S. B. & S. Co. Machinist.....	40 Dubuque....
120	Charles Edgar.....	Engineer.....	Engineer.....	12 Dover.
119	Stephen Thomas....	Asst. Engineer	Carpenter.....	55 Douglas.
72	Albert M. Tuson.....	Driver of engine	Permanent man...	Engine house.
69	Arthur W. Whitcomb..	Driv.combin'tion	" "	66 No. Main.
77	William Arnold.....	Hoseman.....	Barber.....	17 So. Main.
71	John W. Gott.....	"	Wool sorter.....	53 Douglas.
70	Gideon Lariviere.....	"	Carpenter.....	29 Notre Dame av
75	Ernest R. Whitcomb...	"	Wool sorter.....	66 No. Main.
74	Oscar G. Lagerquist...	"	Clerk.....	21 Quincy.
66	John A. Gemmell... ..	"	Clerk.....	27 Adams.
73	Joseph P. Jennings....	"	Cloth inspector...	262 Conant.

ENGINE AND LADDER COMPANY No. 3.

House on Lake Avenue, corner of Massabesic.

Badge No.	NAME.	Rank.	Occupation.	Residence.
86	Frank F. Porter.....	Captain.....	Captain.....	330 E. Spruce.
97	Edwin C. Paul	Lieut. of truck...	Collector	372 Lake ave.
148	Orrin S. Coburn.....	" engine..	Clerk	279 Laurel.
88	George Taylor.....	Clerk	Mechanic.....	382 Lake ave.
122	John P. Walker.....	Engineer	Machinist	403 Hall.
80	Clarence Hackett.....	Asst. engineer...	Laundryman.....	410 Belmont.
105	Herbert E. Duabar.....	Driver of engine.	Teamster.....	366 Lake ave.
81	William S. McLeod.....	Driver of hose...	"	454 Lake ave.
82	Lyman W. Piper.....	Driver of truck..	"	398 Merrimack.
85	John W. Finn.....	Fireman... ..	Painter.....	501 Wilson.
79	Louis N. Dufrain.....	"	Plumber	345 Laurel.
89	Parker R. Brown.....	"	Grain dealer.....	422 Merrimack.
43	Edson F. Wyman.....	"	Manufacturer.....	368 E. Spruce.
121	Arthur S. Brown.....	"	Grain-dealer.....	308 Lake ave.
78	Nelson T. Wheelock....	"	Quarryman.....	477 Belmont.
84	George L. Slack	"	Salesman	141 Massabesic.
114	John D. French.....	"	Liveryman.....	132 Massabesic.
150	William T. Winslow ...	"	Shoe-cutter.....	422 Lake ave.
98	William B. Blake.....	"	Health officer.....	265 Cypress.
87	Christopher J. Cruise...	"	Merchant.....	429 Cental.

ENGINE COMPANY No. 4.

House, No. 20 Vine Street.

Badge No.	NAME.	Rank.	Occupation.	Residence.
28	John H. Wales, Jr.....	Captain.....	Brick-mason.....	41 M. S. B.
33	Thomas W. Lane, Jr....	Lieutenant.....	Electrician.....	1937 Elm.
23	George Thompson.....	Clerk	Clerk.....	85 Salmon.
21	Joseph H. Gould....	Engineer.....	Machinist	20 Vine.
27	Edward Sargent.....	Asst. Engineer...	"	73 Amherst.
31	George A. Cann.....	Driver of engine.	Teamster.....	20 Vine.
29	Charles H. Rogers.....	Driver of hose...	"	20 Vine.
22	Walter A. Clarkson....	Hoseman.....	Carpenter.....	301 Walnut.
25	Frank B. Stevens.....	"	Clerk.....	144 Blodget.
32	Luther A. Knight.....	"	Engineer.....	16 Stark.
30	James C. Newton.....	"	Machinist.....	55 Water.
20	Fred H. Cate.....	"	Clerk.....	601 Cedar.
26	Louis E. Way.....	"	Machinist.....	20 Vine.
24	Adams L. Greer.....	"	Piano dealer	36 Lowell.

ENGINE AND LADDER COMPANY No. 5.

House, No. 44 Webster Street.

Badge No.	NAME.	Rank.	Occupation.	Residence.
161	Irving S. Bryant.	Captain.....	Second hand	884 Union.
49	Charles W. Brown	Lieut. truck	Clerk	95 Harrison.
46	Woodbury Davison.....	Lieut. engine....	Carpenter	32 Myrtle.
108	Edwin L. Towle.....	Clerk	Salesman.....	71 N. Adams.
102	Walter Morse.....	Engineer.....	Machinist	40 Webster.
99	Will G. Fraser.....	Asst. engineer...	Electrician.....	Ash.
125	Emil H. Smith	Driver engine....	Teamster.....	44 Webster.
124	Benjamin C. Cann	Driver truck.....	"	44 Webster.
83	Ernest E. Hubbell	Driver hose.....	"	44 Webster.
47	Russell L. Cilley.....	Hoseman.....	Clerk	863 Chestnut.
123	Charles H. Gile.....	"	Carpenter	896 Union.
158	Andrew S. Fantom.....	"	Cigar-maker.....	676 Maple.
101	Charles W. Warner.....	"	Electrician	75 Sagamore.
126	Edwin M. Dorney	"	Tinsmith	254 Walnut.
41	Max Hawkins.....	"	Clerk	637 Pine.
159	Charles E. Longa.....	"	"	10 N. Adams.
95	George H. Chadwick....	"	Steam-fitter... ..	41 Blodget.
100	Maurice Hoffman.....	"	Clerk.....	321 Walnut.
162	Alfred Anderson.....	"	Brush-maker.....	267 Walnut.
42	Arthur S. Hamilton.....	"	Painter.....	52 Pennacook.

ENGINE AND LADDER COMPANY No. 6.

House on Amory and Rimmon Streets.

Badge No.	NAME.	Rank.	Occupation.	Residence.
141	Mederique R. Maynard.	Captain.....	Grocer.	302 Cartier.
147	James A. Farley.....	Lieut. engine ...	Machinist	385 Dubuque.
146	Toussaint Tremblay	Lieut. truck	Carpenter.....	421 Hevey.
145	John E. Herring	Clerk	Loom-fixer.....	402 Rimmon.
132	Toby Lemay	Engineer	Machinist	464 Cartier.
133	Alcide Provencher	Asst. Engineer ..	"	83 Putnam.
134	Alphonso E. Foster.....	Driver of engine	Teamster	Engine-house.
140	Clarence A. Whitcomb..	Driver hose.....	"	"
142	Frank St. John.....	Driver truck	"	"
129	John Martin	Hoseman	Machinist	624 No. Main.
128	John H. McCabe.....	"	Collector	310 No. Main.
130	Calvin Brinn.....	"	Loom-fixer.....	356 Rimmon.
136	Roumelt Cote	"	Plumber	291 Dubuque.
139	Henry Klaubert	"	Loom-fixer.....	25 Schuyler.
138	Hector Defosses.....	"	Painter	538 Dubuque.
131	Arthur J. Provost	"	Wool-sorter.....	516 Notre Dame ^{ave.}
143	William Broderick.....	"	Loom-fixer.....	513 Rimmon.
144	John Montplaisir.....	"	Mill operative....	434 Dubuque.
137	John J. Lyons.....	"	Loom-fixer.....	17 Columbus.
135	James Collins.....	"	Dresser	548 Rimmon.

HOSE COMPANY No. 1.

House, No. 26 Vine Street.

Badge No.	NAME.	Rank.	Occupation.	Residence.
51	Edwin W. Merrill.....	Captain.....	Clerk	166 Blodget.
52	Charles H. French.....	Lieutenant.....	Electrician	7 Water.
48	Albert A. Puffer	Clerk	Teamster	499 Beech.
37	Henry C. Parsons	Driver.....	"	26 Vine.
45	George I. Ayer.....	Hoseman.....	Electrician.....	28 M. S. B.
53	Albert W. Tucker	"	Laborer	18 Brown Ave.
34	Harry Barrett.....	"	Machinist	306 Manchester.
36	Alfred Firth.....	"	Machinist.....	4 Derry.
50	Charles Skinner	"	Car Inspector.....	335 E. High.
38	Sumner N. Patten	"	Belt maker.....	3 M. S. B.
35	James A. Steele.....	"	Tinsmith.....	339 Amherst.
93	Karl A. Klaubert....	"	Machinist.....	37 M. S. B.

HOSE COMPANY No. 2.

House on Maple Street, corner East High.

Badge No.	NAME.	Rank.	Occupation.	Residence.
64	Melvin W. Worthen	Captain.....	Carpenter.....	242 East High.
55	Revalo G. Houghton.....	Lieutenant	Gas-fitter.....	337 Lowell.
59	Joseph W. Batchelder..	Clerk	Carpenter.....	286 Concord.
57	Ellsworth V. Rowe.....	Driver.....	Teamster	521 Maple.
60	Charles W. Powell	Hoseman.....	Carpenter....	540 Maple.
58	Thomas Smith.....	"	"	24 South.
54	Thomas P. Burnap	"	"	80 Arlington.
56	Fred W. Corey.....	"	Needle-maker	497 Maple.
61	Fred H. Humphrey.....	"	Carpenter.....	61 Ash.
65	Walter Seaward.....	"	"	75 Arlington.
62	Edwin A. Leavitt.....	"	"	690 Belmont.
63	John T. Duncan.....	"	Loom-fixer	152 Pearl.

HOSE COMPANY No. 3.
House, South Elm Street.

Badge No.	NAME.	Rank.	Occupation.	Residence.
110	Albert W. Smith.....	Captain....	Fireman.....	46 Brown ave.
157	Frank D. Hardy.....	Lieutenant.....	Yard conductor ..	3 McIlvin.
156	Celon D. Stevens	Clerk	" ..	164 Calef road.
152	Frank W. Tebbetts	Driver	Teamster.....	23 Elm.
153	James H. McKenzie.....	Hoseman	Sash-maker	72 Elm.
154	William P. Hall	"	"	39 Elm.
155	John N. Baker	"	Clerk	3 McIlvin ave.
151	Forest M. Laraba.....	"	Laundryman.....	102 Baker.
149	Fred S. Morrill*.....	Driver	Teamster	53 Beauport.
163	Lorenzo D. H. Ford*....	"	"	220 Amherst.

* Detailed for department spare drivers.

HOOK AND LADDER COMPANY No. 1.
House, 18 Vine Street.

Badge No.	NAME.	Rank.	Occupation.	Residence.
111	Roscoe Dyer	Captain.	Machinist	8 Oak.
92	Oscar P. Stone.....	Lieutenant.....	Clerk	312 Manchester.
91	George H. Hammond ...	Clerk	Carpenter.....	340 Manchester
94	Asa W. Gage	Driver	Teamster.....	18 Vine.
118	Frank A. Pherson.....	Fireman.....	Machinist	18 Vine.
104	Harrison H. Cole.....	"	Carpenter	883 Union.
109	George M. Jones	"	Gardener.....	23 Myrtle.
107	Henry Heap	"	Manufacturer	18 Vine.
90	Henry Johnson	"	Steam-fitter.....	316 Walnut.
106	Benjamin F. Marsh.....	"	Carpenter	1408 Elm.
96	Frank H. Cole	"	Machinist	45 M. S. B.
93	Fred W. Bond.....	"	Second-hand.....	43 Stark.
112	Thomas D. Chilton.....	"	Machinist.....	18 Mechanic.
100	William P. Jones	"	Steam-fitter.....	318 Lake av.
113	Lewis Swanson.....	"	Carpenter	42 M. S. B.

CHEMICAL ENGINE COMPANY No. 1.

House, 8 Vine Street.

Badge No.	NAME.	Rank.	Occupation.	Residence.
115	Hervey E. Harris.....	Captain.....	Permanent Man	249 Concord.
116	Clarence D. Palmer....	Clerk.....	Marble dealer....	8 Vine.
103	Benjamin R Richards'n	Driver.....	Machinist.....	21 Ash.
117	Robert Turnbull.....	Pipeman.....	"	8 Vine.
44	*George N. Rogers. . .	Fireman.....	Driver.....	120 Bridge.

* Detailed for driver of supply wagon.

COMBINATION COMPANY No. 2.

Wilson Hill, Corner Weston and Concord Streets.

Badge No.	NAME.	Rank.	Occupation.	Residence.
164	Alfred Gustafson.....	Captain.....	Machinist.....	Concord and Weston.
165	Harry A. Piper.....	Lieutenant.....	Contractor.....	443 Bridge.
166	Joseph W. Lindsay. ...	Clerk.....	Tinsmith.....	540 Hall
167	Henry C. Crosby.....	Driver.....	Teamster.....	453 E. High
168	Angus McDonald.....	Hoseman.....	Blacksmith.....	453 E. High
169	Robert H. Duncan.....	"	Needle maker....	406 Hanover.
127	Michael J. Bradley....	"	Gas fitter.....	125 Ashland.
40	William Anderson.....	"	Mill operative....	455 E. High.

REPORTS
OF THE
STREET AND PARK COMMISSIONERS
AND THE
ENGINEER'S DEPARTMENT.

REPORT OF THE BOARD OF STREET AND PARK COMMISSIONERS.

OFFICE OF THE BOARD OF STREET AND PARK COMMISSIONERS,

MANCHESTER, N. H., December 31, 1907.

*To His Honor the Mayor, the Board of Aldermen, and the Common Council
of the City of Manchester, N. H.:*

GENTLEMEN:—We herewith submit the fifteenth annual report of the Board of Street and Park Commissioners, which comprises details of the operations conducted by the department during the year 1907.

WILLIAM McELROY,

BYRON WORTHEN,

SAMUEL J. LORD,

Board of Street and Park Commissioners.

Organization for the year 1907.

A law was enacted by the general court and approved March 22, 1907, abolishing the office of city engineer of the city of Manchester. The office of chief engineer of the city was created to be elected in the month of April, 1907, for a term of six years, by the Board of Mayor and Aldermen of said city, said chief engineer to be one of the three members of the Board of Street and Park Commissioners for the city of Manchester, and said chief engineer of the city, in addition to the performance of the duties incumbent upon him as a member of said Board of Street and Park Commissioners, to perform all the duties heretofore pertaining to the office of city engineer of said city and all the duties now pertaining to the office of clerk of said Board of Street and Park Commissioners.

The board held meetings daily at 1.30 o'clock P. M., excepting Saturdays and holidays.

BOARD OF STREET AND PARK COMMISSIONERS.

WILLIAM McELROY, *Chairman.*

BYRON WORTHEN.

SAMUEL J. LORD, *Chief Engineer.*

OFFICE.

Harrie H. Clement, clerk (stenographer, typewriter, and book-keeper).

John J. McAllister, assistant clerk.

Mr. McAllister, engineer's department stenographer and typewriter, was transferred to this office whenever required.

STREETS AND SEWERS.

George P. Ames, superintendent District No. 2.

Harold M. Haskell, timekeeper District No. 2.

Alphonse Laberge, superintendent District No. 10.

John Gemmel, timekeeper District No. 10.

Charles Francis, superintendent and timekeeper District No. 7.

Mark Harvey, superintendent and timekeeper District No. 5.

Byron Moore, superintendent and timekeeper District No. 4.

Levi Proctor, superintendent and timekeeper District No. 8.

Lester C. Paige, superintendent and timekeeper District No. 9.

PARKS AND COMMONS.

A. J. Seastrom, superintendent and timekeeper.

The Board of Street and Park Commissioners met at 1.30 p. m. daily, except Saturdays and holidays, and from April 1 to December 31 held one hundred and fifty-six meetings.

All work was laid out at the meetings and carried out by the superintendents under the direction of the chief engineer.

At the meeting of April 8 the pay of the city laborers was raised from \$1.62 per day to \$1.75 per day of nine hours. His Honor Mayor Reed was present at the meeting and advocated and approved the measure.

The following contracts were made by the board:

W. F. Head & Son, Hooksett, N. H., brick.

Winchester Stone Company, Winchester, Mass., broken stone.

H. W. Parker, Manchester, N. H., cement.

C. M. Wheeler, Manchester, N. H., fence posts.

C. A. Bailey, Suncook, N. H., granite curbing, catch basin curbing, and corner curbing.

Concord Foundry & Machine Co., Concord, N. H., iron castings.

The Head & Dowst Co., Manchester, N. H., lumber.

Palmer & Garmon, Manchester, N. H., granite paving blocks.

Pike & Heald Co., Manchester, N. H., sewer pipe.

Buffalo Steam Roller Co., Boston, Mass., steam road roller.

United Construction Co., Albany, N. Y., Cohas Brook bridge.

J. H. Mendell Co., Manchester, N. H., repairing overhead bridge at Elm street and B. & M. R. R.

Arthur S. Brown, Manchester, N. H., earload of oats.

Robie Consolidated Concrete Co., Manchester, N. H., surfacing with "tar concrete" Pine street, Central street to Spruce street.

J. H. Mendell Co., Manchester, N. H., planking upper deck of the McGregor bridge.

Robie Consolidated Concrete Co., Manchester, N. H., surfacing with "tar concrete" Union street, Laurel street to Merrimack street.

Committee on city farm, lease of ten acres of city farm.

To the inventory as listed in the 1906 report should be added one fifteen-ton Buffalo-Pitts steam road roller, \$3,500; one Barnard-Castle street and pavement scraper, \$350.

Following is a list of pole lines and locations granted and revoked during the year.

POLE LINES AND POLE LOCATIONS GRANTED AND REVOKED FROM APRIL 1 TO
DECEMBER 31, 1907.

LOCATION.	Limits.	Pole line locations		Pole locations.		Grantee.	Date.
		Granted.	Revoked	Granted.	Revoked		
Alfred.....	Hanover, northerly.....	...	...	3	...	N. E. T. & T. Co.	May 27, 1907
Amherst, south back, S. S.....	Maple, westerly.....	...	...	3	...	M. T. L. & P. Co.	July 30, 1907
Amherst, south side.....	Alfred, east side.....	...	...	1	...	"	Sept. 16, 1907
Amherst, south side.....	Alfred, westerly about 50 feet.....	...	...	1	...	"	Sept. 16, 1907
Amherst, south side.....	Innabard, easterly.....	...	...	2	...	"	Dec. 9, 1907
Amory, north side.....	Main, west side.....	...	...	1	...	"	Dec. 9, 1907
Arlington, north side.....	Warren to Russell.....	...	...	1	...	"	Aug. 1, 1907
Ash east back.....	Harrison, northerly.....	...	...	3	...	N. E. T. & T. Co.	May 27, 1907
Ash east back.....	Brook, northerly.....	...	...	2	...	"	May 27, 1907
Ash east back.....	Lowell, northerly.....	...	...	1	...	"	May 27, 1907
Beech (south), east side.....	Gold, northerly to south of Titus avenue.....	1	...	...	...	M. T. L. & P. Co.	Dec. 4, 1907
Boynnton, east side.....	Opposite McDuffie.....	...	...	1	...	N. E. T. & T. Co.	Aug. 15, 1907
Bremer north back.....	Coolidge avenue west back, westerly.....	...	...	4	...	M. T. L. & P. Co.	July 22, 1907
Bridge, south side.....	Beacon to Weston.....	...	...	3	...	N. E. T. & T. Co.	June 19, 1907
Brooklyn ave., south side.....	Belmont, easterly toward Beacon.....	...	...	2	...	"	June 19, 1907
Brown avenue.....	Jewett, westerly.....	...	...	1	...	"	Sept. 18, 1907
Brown ave., east side.....	Jewett to Cypress.....	...	...	4	...	M. T. L. & P. Co.	Dec. 4, 1907
Brown ave., west side.....	At Cheney place.....	1	...	...	1	N. E. T. & T. Co.	July 29, 1907
Candia road, north side.....	Pine Island park to Londonderry road.....	...	...	3	...	"	Aug. 15, 1907
Cedar south back.....	Boynnton, westerly.....	...	...	...	...	"	Aug. 15, 1907
Charleston avenue.....	Woodbine avenue, east side.....	...	...	1	...	M. T. L. & P. Co.	Sept. 18, 1907
Cilley road, north side.....	Beech, easterly.....	...	...	3	...	N. E. T. & T. Co.	June 19, 1907
Coolidge avenue, east side.....	Rochelle avenue, westerly.....	...	...	2	...	"	June 19, 1907
Corning road.....	Porter, easterly.....	...	...	3	...	"	May 27, 1907
Derry road.....	Bremer, northerly.....	...	...	4	...	M. T. L. & P. Co.	Aug. 21, 1907
Donald, south side.....	Opposite F. P. Nouri's north line.....	1	...	1	...	N. E. T. & T. Co.	Sept. 18, 1907
Donald, north side.....	Derry road to residence of Milton Paige.....	1	...	...	...	"	June 19, 1907
Dubuque east back.....	Milford, westerly.....	...	...	4	...	"	Aug. 15, 1907
Dubuque east back.....	Amory, southerly.....	...	...	3	...	"	Aug. 15, 1907
Dubuque east back.....	Kelley, northerly.....	...	...	1	...	"	June 19, 1907
Dubuque east back.....	Kelley to Amory.....	...	...	6	...	"	June 19, 1907

Dubuque east back.....	About 150 south of Bremer.....	1	1, 1907
Elm, east side.....	Brown avenue to Elm avenue.....	3	July
Everett, west side.....	Waldo, northerly.....	1	Aug. 12, 1907
Fifth avenue lane, E. S.....	Betw een Lake avenue and Spruce.....	1	May 26, 1907
Fourth, west side.....	Ferry, southerly to M. & N. W. R. R.....	5	Sept. 15, 1907
Goffstown road, south side.....	Taggart, east side.....	1	Dec. 4, 1907
Goffstown road, north side.....	Front to Gardner (proposed).....	1	June 10, 1907
Goffstown road.....	Front to Gardner (proposed).....	1	June 10, 1907
Goffstown road.....	Gardner to Straw road.....	1	Dec. 17, 1907
Goffstown road.....	Straw road, westerly.....	1	Dec. 17, 1907
Goffstown road.....	Calef road, easterly.....	4	Dec. 17, 1907
Gold, north side.....	Hanover to Amherst.....	2	Dec. 11, 1907
Hall, west side.....	Amherst, south side.....	1	May 27, 1907
Hall, west side.....	Amherst, south side.....	2	Dec. 11, 1907
Hazel, east side.....	Brook, southerly.....	2	Nov. 27, 1907
Island Pond road, S.W. side.....	Manchester reservoir to Wm. Corey's farm.....	2	July 4, 1907
Jewett, east side.....	Clay, northerly.....	1	Dec. 18, 1907
Jewett, west side.....	Brooklyn avenue, northerly.....	1	Sept. 18, 1907
Kennard road.....	Brooklyn avenue, northerly.....	1	Sept. 18, 1907
Kenney, west side.....	Spruce, northerly.....	3	May 27, 1907
Lake avenue south back.....	Hall, westerly.....	2	May 27, 1907
Lake avenue south back.....	Union to Barry avenue.....	3	June 19, 1907
Lake avenue south back.....	Fifth avenue lane, westerly.....	1	Sept. 26, 1907
Lake ave., so. back, N. S.....	Mammoth road, east side.....	1	Dec. 9, 1907
Lake avenue, south side.....	Pine, easterly.....	1	Oct. 14, 1907
Laurel, south side.....	Myrtle, south side.....	1	Dec. 4, 1907
Linden, west side.....	Maple, easterly.....	1	July 1, 1907
Londonderry lane.....	From pole line northly to O. H. Leavitt's.....	1	June 19, 1907
Maple, south side.....	Opposite No. 345 Mast road.....	1	Aug. 15, 1907
Mead, south side.....	Between Hall and Belmont.....	1	Sept. 25, 1907
Mead, north side.....	Between Hall and Belmont.....	1	Sept. 25, 1907
Merrimack, north side.....	Union, easterly.....	1	Oct. 17, 1907
Munroe, south side.....	Elm, westerly.....	1	April 17, 1907
Myrtle, north side.....	Elm, easterly.....	1	June 19, 1907
Myrtle, north side.....	Elm, easterly.....	1	June 19, 1907
On cross road, south side of.....	Between Mammoth road and Cobas ave.....	3	May 27, 1907
Manchester reservoir.....	From present pole line, westerly.....	2	May 27, 1907
Park avenue, south side.....	Hayward to Massabesic.....	3	Aug. 21, 1907
Porter, east side.....	Chestnut to Union.....	5	May 27, 1907
Prospect south back.....	Union, easterly.....	3	May 27, 1907
Prospect south back.....	Rimmon, westerly.....	3	Dec. 9, 1907
Punham, north side.....	Rimmon, westerly.....	2	Nov. 13, 1907
Reed east back.....	Amory, northerly.....	2	Dec. 9, 1907
Rimmon, west side.....	Punham, northerly.....	1	June 19, 1907
River road, east side.....	Thayer, southerly.....	1	June 19, 1907
River road, east side.....	Thayer, northerly.....	1	May 27, 1907
Rochelle avenue.....	Milford, northerly.....	2	Dec. 9, 1907
Salmon, north side.....	Walnut, easterly.....	1	Dec. 9, 1907
Smymh road.....	Kennard road, northerly.....	1	June 19, 1907

POLE LINES AND POLE LOCATIONS GRANTED AND REVOKED FROM APRIL 1 TO
DECEMBER 31, 1907—*Continued.*

LOCATION.	Limits.	Pole line locations		Pole locations.		Grantee.	Date.
		Granted.	Revoked	Granted.	Revoked		
Somerville, north side.....	Beech to Union.....	....	....	4	....	N. E. T. & T. Co.	Nov. 26, 1907
South, west side.....	From present pole line south'ly to Lowell	....	....	2	....	"	May 27, 1907
Spruce, south side.....	At Clough avenue.....	....	....	....	1	M. T. L. & P. Co.	Oct. 7, 1907
Spruce, south side.....	Clough avenue, westerly.....	....	....	1	....	"	Oct. 7, 1907
Straw road.....	Golfstown road, northerly to Manchester	....	....	....	....
	Golfstown town line.....	1	....	....	....	N. E. T. & T. Co.	Dec. 17, 1907
Sullivan, north side.....	Main, westerly.....	....	....	3	....	"	June 19, 1907
Taylor, east side.....	Dix, northerly.....	....	....	1	....	M. T. L. & P. Co.	Sept. 18, 1907
Union, west side.....	Concord, northerly.....	....	....	1	....	"	Dec. 27, 1907
Wayne, north side.....	Thornton, easterly.....	....	....	2	2	"	Sept. 18, 1907
Wayne, south side.....	Thornton to Bartlett.....	....	....	3	....	"	Oct. 4, 1907
Welch avenue, north side..	Elm, easterly.....	....	....	2	....	N. E. T. & T. Co.	May 27, 1907
Willson, east side.....	Harvard, northerly.....	....	....	1	....	M. T. L. & P. Co.	Sept. 18, 1907
		12	2	157	11		

Board of Street and Park Commissioners in account with the Appropriation for Street and Park Commission.

By commissioners' salaries:

William McElroy, year 1907.....	\$600.00
Byron Worthen, year 1907.....	600.00
F. K. Ramsey, to April 1, 1907.....	150.00
F. K. Ramsey, clerk, to April 1, 1907....	220.83
S. J. Lord, from April 1, 1907.....	824.94

\$2,395.77

By team hire:

William McElroy, year 1907.....	\$150.00
Byron Worthen, year 1907.....	150.00
F. K. Ramsey, to April 1, 1907.....	37.50

\$337.50

By advertising for proposals:

John B. Clarke Co.....	\$10.25
Union Publishing Co.....	.39

\$10.64

By office reports:

John B. Clarke Co.....	
------------------------	--

\$35.20

By printing and supplies:

John B. Clarke Co.....	\$13.00
C. J. Peters & Son Co.....	29.00
W. P. Goodman.....	20.40
Temple & Farrington Co.....	45.74
John B. Varick Co.....	.45
J. A. Williams.....	16.00
F. E. Wood.....	1.50

\$126.09

By telephone and tolls:

N. E. Telephone & Telegraph Co.....	
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\$135.75

By magazines:

Municipal Publishing Co., "Municipal Journal"	\$3.00
E. L. Powers Co., "Good Roads".....	1.00

\$4.00

By traveling expenses:

William McElroy	\$21.25
William McElroy	8.92
Byron Worthen	9.82

\$39.99

By ice for office:

L. B. Bodwell & Co.....	
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\$5.85

By cash paid for express and supplies:

H. H. Clement.....	
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\$14.64

By chairs for office:

C. A. Hoitt Co.....	
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\$12.50

\$3,117.93

To appropriation for Street and Park Commission	\$3,300.00	
By balance unexpended.....		\$182.07
	<hr/>	<hr/>
	\$3,300.00	\$3,300.00

**Board of Street and Park Commissioners in account with
the Appropriation for Snow and Ice.**

By snowplows:		
A. B. Black (one two-horse gutter and street snowplow)	\$65.00	
On account for second plow.....	35.00	
	<hr/>	\$100.00
By freight:		
Boston & Maine Railroad.....		\$5.86
By supplies:		
J. B. Varick Co. (shovels, etc.).....	\$7.00	
E. C. Bishop & Co. (snow shovels).....	50.25	
	<hr/>	\$57.25
By sand:		
Robie Consolidated Concrete Co. (February and March, 136 loads sand delivered)	\$170.00	
(November and December, 154¾ loads sand delivered)	154.75	
	<hr/>	\$324.75
By wind break, Amoskeag bridge:		
J. H. Mendell Co.....	\$116.24	
J. B. Varick Co.....	13.55	
	<hr/>	\$129.79
By repairs:		
T. J. Briggs.....	.25	
Pike & Heald Co.....	.63	
	<hr/>	\$0.88
By contracts and bills (incurred previous to 1907):		
Hannigan Gutter Snowplow Co., 6 gutter plows	\$300.00	
J. B. Varick Co. (supplies).....	9.50	
Robie Consolidated Concrete Co. (375 loads sand delivered).....	407.25	
	<hr/>	\$716.75

APPROPRIATION FOR SNOW AND ICE.

By payrolls:		
Division No. 2.....	\$1,900.05	
	1,874.65	
	2,401.64	
	136.65	
	199.60	
	<hr/>	\$6,512.59

Division No. 10.....	\$1,138.37	
	1,207.57	
	996.51	
	195.00	
	279.09	
	<hr/>	\$3,816.54
Division No. 7.....	\$291.07	
	358.81	
	279.15	
	45.26	
	<hr/>	\$974.29
Division No. 4.....	\$32.50	
	77.37	
	<hr/>	\$109.87
Division No. 8.....	\$54.50	
	39.50	
	67.75	
	<hr/>	\$161.75
Division No. 5.....	\$27.00	
	28.25	
	<hr/>	\$55.25
		<hr/>
		\$12,965.57
To appropriation for snow and ice.....	\$9,000.00	
overdraft	3,965.57	
	<hr/>	<hr/>
	\$12,965.57	\$12,965.57

Sidewalks were sanded on days listed as follows:

January 2, 3, 4, 5, 9, 10, 14, 15, 16, 17, 19, 20, 21, 23, 24, 28, 29, 30, and 31.

February 2, 4, 6, 7, 8, 9, 11, 12, 13, 14, 15, 18, 19, 21, 22, 23, 24, 25, 26, 27 and 28.

March 1, 2, 3, 4, 6, 7, 8, 9, 11, 20, 21, and 25.

April 9 and 10.

November 27.

December 16, 17, 18, 19, and 22.

Sidewalks were plowed on days listed as follows:

January 24, 26, and 28.

February 4, 5, 6, 9, 16, 21, 23, 25, 26, and 27.

March 2, 20, and 25.

April 1, 9, and 11.

December 15, 16, 17, 18, and 19.

Board of Street and Park Commissioners in account with the Appropriation for Repairs of Highways.

By broken stone, Winchester Stone Company:

2,624.43 tons No. 3 size @ \$1.24.....	\$3,254.23
778.80 tons No. 2 size @ \$1.24.....	965.68
24.47 tons No. 1 size @ \$1.24.....	30.34
108.14 tons pea size @ \$1.24.....	134.09
721.65 tons dust size @ \$1.24.....	894.80

 \$5,279.14

To 2% discount for cash in 5 days.....	105.54
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 \$5,173.60

By curbing, Chas. A. Bailey:

100 feet 7" x 18" @ 39c. per ft.....	\$39.00
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By gravel, sand and clay:

Lawrence Connor, 15 loads gravel.....	\$1.50
Eva L. George, 191 loads gravel.....	19.10
Cleaves N. Harvey, 43 loads gravel.....	4.30
Mark E. Harvey, 59 loads gravel.....	5.90
E. G. Libbey, 4 loads gravel.....	.40
John Lovering, 39 loads gravel.....	3.90
J. M. Lurvey, 60 loads gravel.....	6.00
Manchester Cement Block and Concrete Co., 156 loads sand.....	15.60
Manchester Cement Block and Concrete Co., 1,086 loads gravel.....	79.84
Oliver Merrill, 31 loads gravel.....	3.10
J. F. Moore, 50 loads gravel.....	5.00

 \$144.64

By steam coal, L. B. Bodwell & Co.:

22.735 tons @ \$5.00.....	\$113.68
4. tons @ \$5.50.....	22.00
42.35 tons @ \$5.75.....	243.50
1.55 tons @ \$5.75.....	8.91
12.475 tons @ \$6.00.....	74.85

 \$462.94

J. P. Russell, 2 tons @ \$5.50.....	11.00
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 \$473.94

By kerosene oil:

Wiggin, Young Co., 50 gallons @ 11c....	\$5.50
A. A. Warren, 200 gallons @ 10c.	20.00

 \$25.50

By supplies:

John B. Varick Co., tools, etc.....	\$229.46
Head & Dowst Co., lumber.....	4.16
Manchester Oil & Supply Co., lubricant grease	1.50

Water commissioners, water for crusher	\$17.50	
National Coal Tar Co., 120 bbls. Tarvia..	237.37	
Henry W. Parker, 10 bbls. Atlas cement	22.50	
	<hr/>	\$512.49
By new machinery:		
Drew Machinery Agency.....	\$27.00	
Buffalo Steam Roller Co., 1 15-ton steam roller, 6/7 of contract price.....	3,000.00	
	<hr/>	\$3,027.06
By repairs:		
Drew Machinery Agency.....	\$0.25	
Buffalo Steam Roller Co.....	7.05	
Good Roads Machinery Co.....	2.00	
American Locomotive Co.....	5.00	
Amoskeag Manufacturing Co.....	26.70	
Pike & Heald Co.....	5.89	
	<hr/>	\$46.89
By freight and demurrage:		
Boston & Maine Railroad.....		\$44.70
By miscellaneous items:		
Manchester Traction, Light & Power Co., power for motor.....	\$43.02	
Hartford Steam Boiler Inspection & Insurance Company, insurance.....	45.52	
J. H. Campbell, use of water on North Union street	3.00	
	<hr/>	\$91.54
By contracts and bills (incurred previous to 1907):		
Charles A. Bailey, Arlington street, re- taining wall	\$965.12	
Charles A. Bailey, broken stone.....	355.95	
C. A. Brooks, gravel and sand.....	15.65	
Mrs. Eva L. George, gravel.....	4.40	
Maurice L. Hoitt, gravel.....	98.37	
Henry Fisk, labor on Smyth road.....	12.09	
C. M. Wheeler, chestnut posts.....	53.03	
John B. Varick Co., 2 tree pruners.....	2.00	
N. E. Telephone & Telegraph Co., tele- phone service	21.67	
	<hr/>	\$1,528.33
By repairs of concrete (See engineer's department re- port, Tables Nos. 4 and 6):		
Robie Consolidated Concrete Co.....		\$682.72
By labor:		
Harold M. Haskell, extra time.....	\$25.00	
Sonnie Grover	56.25	
	<hr/>	\$81.25

Payroll Division No. 2.....	\$13,115.76	
Payroll Division No. 4.....	364.12	
Payroll Division No. 5.....	209.61	
Payroll Division No. 7.....	3,963.62	
Payroll Division No. 8.....	1,061.22	
Payroll Division No. 9.....	978.28	
Payroll Division No. 10.....	11,594.46	
		<hr/>
		\$31,287.07
		<hr/>
		\$43,158.73
To appropriation for repairs of highways...	\$44,200.00	
Boston & Maine Railroad (labor).....	16.00	
H. B. Fairbanks (broken stone).....	4.00	
E. C. Tremblay (broken stone).....	1.00	
U. S. Bobbin & Shuttle Co. (labor).....	14.87	
F. D. Leighton (labor).....	4.00	
Manchester National Bank (labor)....	13.39	
Engineers' department (labor).....	37.42	
Valley cemetery fund (broken stone)....	233.37	
Valley cemetery (broken stone).....	33.79	
People's Gas Light Co.....	81.75	
By balance unexpended		\$1,480.86
	<hr/>	<hr/>
	\$44,639.59	\$44,639.59

ITEMIZED OPERATIONS.

BAY STREET—Carpenter Street Southerly.

(Grading walk and street):

Labor of men.....	\$86.75	
Labor of teams.....	47.25	
	<hr/>	\$134.00
Began October 5, finished October 12.		
Length of walk (cut), 300 feet.		
Width of walk (cut), 10 feet.		
Average cut, 1.30 feet.		
Length of walk (fill), 100 feet.		
Width of walk (fill), 10 feet.		
Average fill, .55 feet.		
Length of roadway (cut), 410 feet.		
Width of roadway (cut), 30 feet.		
Average cut, 1.10 feet.		
Length of roadway (fill), 140 feet.		
Width of roadway (fill), 30 feet.		
Average fill, .85 feet.		
Cubic yards of earth removed, 645.		
Cost per lineal foot, \$0.244.		
Cost per cubic yard, \$0.208.		

BEACON STREET—Laurel Street to Lake Avenue.

(Top dressed with granite):

Number of tons of granite, 150.48.	
Cost of granite, estimated.....	\$150.48
Labor of men.....	59.03
Labor of teams.....	49.50
Coal	7.45
	<hr/>
	\$266.46

Began September 13, finished September 17.

Length, 456 feet; width, 18 feet; square yards, 912.

Cost per lineal foot, \$0.584; cost per square yard, \$0.292.

CENTRAL, WEST, STREET—Elm Street to Franklin Street.

(Top dressed with trap rock and granite):

Number of tons of trap rock, 122.35.	
Number of tons of granite, 19.44.	
Cost of trap rock.....	\$148.68
Cost of granite, estimated.....	19.44
Labor of men.....	59.74
Labor of teams.....	49.50
Coal	6.00
	<hr/>
	\$283.36

Began August 16, finished August 21.

Length, 220 feet.

Width, 30 feet.

Square yards, 733.

Cost per lineal foot, \$1.288.

Cost per square yard, \$0.386.

CENTRAL, WEST, STREET—West of Franklin Street Westerly.

(Top dressed with trap rock):

Number of tons of trap rock, 138.85.	
Cost of trap rock.....	\$168.73
Labor of men.....	36.62
Labor of teams.....	5.62
Coal	6.85
	<hr/>
	\$217.82

Began May 29, finished June 4.

Length, 250 feet.

Width, 30 feet.

Square yards, 833.

Cost per lineal foot, \$0.871.

Cost per square yard, \$0.261.

CHESTNUT STREET—High Street to North of Harrison Street.

(Top dressed with trap rock):

Number of tons of trap rock, 859.40.	
Cost of trap rock.....	\$1,044.35
Labor of men.....	368.82

Labor of teams.....	\$138.87	
Coal	43.55	
		<hr/>
		\$1,594.09

Began June 2, finished June 29.

Length, 1,800 feet.

Width, 26 feet.

Square yards, 5,200.

Cost per lineal foot, \$0.885.

Cost per square yard, \$0.306.

DOUGLAS STREET—Dover Street to Barr Street.

(Top dressed with gravel):

Number of loads of gravel, 56.

Cost of gravel..... \$5.60

Labor of men and team..... 98.37

\$103.97

Length, 650 feet.

Width, 18 feet.

Square yards, 1,300.

Cost per lineal foot, \$0.16.

Cost per square yard, \$0.08.

FRANKLIN STREET—Market Street to Granite Street.

(Top dressed with trap rock):

Number of tons of trap rock, 596.40.

Cost of trap rock..... \$724.75

Labor of men..... 480.59

Labor of teams..... 154.11

Coal

29.50

\$1,388.95

Began May 27, finished June 25.

Length, 1,337 feet.

Width (average), 23.5 feet.

Square yards, 3,606.

Cost per lineal foot, \$1.039.

Cost per square yard, \$0.385.

GRANITE STREET—Elm Street to Franklin Street.

(Top dressed with trap rock):

Number of tons of trap rock, 122.25.

Cost of trap rock..... \$148.68

Labor of men..... 58.35

Labor of teams..... 21.37

Coal

6.00

\$234.40

Began June 5, finished June 8.

Length, 220 feet.

Width, 30 feet.

Square yards, 753.

Cost per lineal foot, \$1,065.

Cost per square yard, \$0.32.

GRANITE STREET—Franklin Street to east of Canal Street.

(Top dressed with trap rock):

Number of tons of trap rock, 246.10.

Cost of trap rock.....	\$299.06	
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Labor of men.....	142.09	
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Labor of teams.....	67.50	
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Coal	12.15	
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\$520.80

Began June 28, finished July 13.

Length, 445 feet.

Width, 30 feet.

Square yards, 1,483.

Cost per lineal foot, \$1.17.

Cost per square yard, \$0.351.

LAKE AVENUE—Belmont Street to Milton Street.

(Top dressed with trap rock):

Number of tons of trap rock, 45.45.

Cost of trap rock.....	\$55.23	
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Labor of men.....	78.03	
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Labor of teams.....	41.62	
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Coal	2.20	
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\$177.08

Began November 20, finished November 26.

Length, 200 feet.

Width, 12 feet.

Square yards, 267.

Cost per lineal foot, \$0.885.

Cost per square yard, \$0.663.

LINCOLN STREET—Silver Street to railroad.

(Top dressed with gravel):

Number of loads of gravel used, 131.

Cost of gravel.....	\$26.20	
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Labor of men.....	157.60	
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Labor of teams.....	52.00	
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Coal	11.20	
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\$247.00

Began July 29, finished August 17.

Length, 440 feet.

Width, 28 feet.

Square yards, 1,370.
 Cost per lineal foot, \$0.561.
 Cost per square yard, \$0.18.

MAIN STREET—Marion Street to Amory Street, east side of track.

(Top dressed with trap rock):

Number of tons of trap rock, 45.36.		
Cost of trap rock.....	\$55.12	
Labor of men and teams.....	435.50	
Coal	2.00	
		<hr/>
		\$492.62
Length, 220 feet.		
Width, 10 feet.		
Square yards, 244.		
Cost per lineal foot, \$2,239.		
Cost per square yard, \$2,019.		

MALVERN STREET—Concord Street to Lowell Street.

(Top dressed with granite):

Number of tons of granite, 103.36.		
Cost of granite.....	\$125.60	
Labor of men.....	60.86	
Labor of teams.....	45.00	
Coal	5.05	
		<hr/>
		\$236.51
Began June 20, finished June 24.		
Length, 309 feet.		
Width, 18 feet.		
Square yards, 618.		
Cost per lineal foot, \$0.765.		
Cost per square yard, \$0.382.		

MAST ROAD—North of D Street to Town Line.

(Top dressed with gravel and clay):

Number of loads of gravel, 343.		
Number of loads of clay, 145.		
Cost of gravel.....	\$34.30	
Cost of clay.....	58.00	
Labor of men and teams.....	1,045.50	
		<hr/>
		\$1,137.80
Length, 2,250 feet.		
Width, 16 feet.		
Square yards, 4,000.		
Cost per lineal foot, \$0.552.		
Cost per square yard, \$0.284.		

MAST STREET—West of Main Street Westerly.

(Foundations, crushed stone from gravel bank; top course, trap rock):

Number of tons of crushed stone, 233.74.	
Number of tons of trap rock, 923.	
Cost of crushed stone.....	\$233.74
Cost of trap rock.....	1,144.52
Labor of men and teams.....	3,011.75
Coal	49.10
	<hr/>
	\$4,439.11
Length, 2,076 feet.	
Width, 26 feet.	
Square yards, 5,997.	
Cost per lineal foot, \$2.138.	
Cost per square yard, \$0.74.	

MILFORD STREET—South Main Street to Carroll Street.

(Top dressed with gravel):

Number of loads, 102.	
Cost of gravel.....	\$10.20
Labor of men and teams.....	138.50
	<hr/>
	\$148.70
Length, 1,250 feet.	
Width, 24 feet.	
Square yards, 3,333.	
Cost per lineal foot, \$0.119.	
Cost per square yard, \$0.045.	

MYRTLE STREET—Chestnut Street to Union Street.

(Top dressed with cinders):

Number of loads of cinders, 300.	
Labor of men.....	\$43.13
Labor of teams.....	27.00
Coal	16.55
	<hr/>
	\$86.68
Began August 6, finished August 16.	
Length, 758 feet.	
Width, 24 feet.	
Square yards, 2,021.	
Cost per lineal foot, \$0.114.	
Cost per square yard, \$0.043.	

MYRTLE STREET—Chestnut Street to Pine Street.

(Grading street with ashes and cinders):

Number of loads of ashes and cinders, 137.	
Labor of men.....	\$44.73
Labor of teams.....	41.75
Coal	6.80
	<hr/>
	\$93.28

Began June 2, finished June 24.

Length, 312 feet.

Width, 24 feet.

Square yards, 832.

Cost per lineal foot, \$0.299.

Cost per square yard, \$0.112.

NICOLET LANE—Main Street to McGregor Street.

(Top dressed with trap rock and granite):

Number of tons of trap rock, 25.92.

Number of tons of granite, 9.72.

Cost of trap rock.....	\$31.50
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Cost of granite.....	9.72
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Labor of men and teams.....	779.75
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Coal	4.40
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\$825.37

Length, 350 feet.

Width, 14 feet.

Square yards, 544.

Cost per lineal foot, \$2.358.

Cost per square yard, \$1.516.

PEARL STREET—Russell Street to Linden Street.

(Top dressed with granite):

Number of tons of granite, 224.73.

Cost of granite (estimated).....	\$224.73
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Labor of men.....	97.96
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Labor of teams.....	49.50
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Coal	11.15
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\$383.34

Began September 17, finished October 4.

Length, 454 feet.

Width, 27 feet.

Square yards, 1,362.

Cost per lineal foot, \$0.844.

Cost per square yard, \$0.281.

PINE STREET—Hanover Street to Concord Street.

(Top dressed with granite):

Number of tons of granite, 247.50.

Cost of granite (estimated).....	\$247.50
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Labor of men.....	44.26
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Labor of teams.....	28.12
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Coal	12.30
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\$332.18

Began August 7, finished August 9.

Length, 580 feet.

Width (average), 23.25 feet.

Square yards, 1,500.

Cost per lineal foot, \$0.573.

Cost per square yard, \$0.221.

SECOND STREET—Cleveland Street to West Hancock Street.

(Top dressed with gravel):

Number of loads of gravel, 50.

Cost of gravel..... \$3.75

Labor of men and teams..... 187.37

\$191.12

Length, 585 feet.

Width, 26 feet.

Square yards, 1,690.

Cost per lineal foot, \$0.327.

Cost per square yard, \$0.113.

SOMERVILLE STREET—Wilson Street to Hall Street.

(Top dressed with gravel):

Number of loads of gravel, 60.

Cost of gravel..... \$12.00

Labor of men..... 72.00

Labor of teams..... 24.00

Coal 5.55

\$113.55

Began July 29, finished August 17.

Length, 306 feet.

Width, 20 feet.

Square yards, 680.

Cost per lineal foot, \$0.371.

Cost per square yard, \$0.167.

TAYLOR STREET—Young street to Somerville Street.

(Top dressed with gravel):

Number of loads of gravel, 265.

Cost of gravel..... \$53.00

Labor of men..... 237.64

Labor of teams..... 121.48

Coal 19.65

\$431.77

Began May 21, finished May 29.

Length, 900 feet.

Width, 24 feet.

Square yards, 2,400.

Cost per lineal foot, \$0.48.

Cost per square yard, \$0.18.

UNION STREET—Hanover Street to Merrimack Street.

(Top dressed with trap rock):

Number of tons of trap rock, 232.22.	
Cost of trap rock.....	\$282.19
Labor of men.....	349.00
Labor of teams.....	150.75
Coal	11.50
	<hr/>
	\$793.44

Began October 30, finished November 23.

Length, 550 feet.

Width, 23 feet.

Square yards, 1,405.

Cost per lineal foot, \$1.442.

Cost per square yard, \$0.564.

UNION STREET—Lowell Street to Prospect Street.

(Lowell street to Bridge street, top dressed with trap rock; Bridge street to Prospect street, foundation of granite, top course of trap rock):

Number of tons of trap rock, 740.60.	
Number of tons of granite, 136.	
Cost of trap rock.....	\$899.97
Cost of granite (estimated).....	136.00
Labor of men.....	747.36
Labor of teams.....	474.74
Coal	36.65
	<hr/>
	\$2,294.72

Began July 9, finished August 16.

Length, 1,680 feet.

Width, 24 feet.

Square yard, 4,480.

Cost per lineal foot, \$1,366.

Cost per square yard, \$0.512.

VALLEY STREET—Belmont Street Westerly.

(Top dressed with gravel):

Number of loads of gravel, 90.	
Cost of gravel.....	\$18.00
Labor of men.....	158.24
Labor of teams.....	45.00
Coal	4.80
	<hr/>
	\$226.04

Began July 11, finished July 18.

Length, 220 feet.

Width, 24 feet.

Square yards, 587.

Cost per lineal foot, \$1.027.*

Cost per square yard, \$0.385.*

* Includes labor building cesspool

VALLEY STREET—Belmont Street to Cypress Street.

(Top dressed with gravel):

Number of loads of gravel, 380.	
Cost of gravel.....	\$76.00
Labor of men.....	436.78
Labor of teams.....	181.12
Coal	27.60
	<hr/>
	\$721.50

Began June 1, finished June 18.

Length, 1,390 feet.

Width, 24 feet.

Square yards, 3,373.

Cost per lineal foot, \$0.519.

Cost per square yard, \$0.22.

VALLEY STREET—Cypress Street to Jewett Street.

(Top dressed with gravel):

Number of loads of gravel, 125.	
Cost of gravel.....	\$25.00
Labor of men.....	113.29
Labor of teams.....	54.00
Coal	15.30
	<hr/>
	\$207.59

Began May 16, finished May 20.

Length, 600 feet.

Width, 28 feet.

Square yards, 1,867.

Cost per lineal foot, \$0.346.

Cost per square yard, \$0.111.

WALKER STREET—Turner Street to South Main Street.

(Top dressed with gravel):

Number of loads of gravel, 116.	
Number of loads of sand, 16.	
Cost of gravel.....	\$11.60
Cost of sand.....	1.60
Labor of men and teams.....	236.00
Coal	27.60
	<hr/>
	\$276.80

Length, 1,340 feet.

Width, 24 feet.

Square yards, 3,373.

Cost per lineal foot, \$0.206.

Cost per square yard, \$0.082.

WINTER STREET—Main Street Westerly.

(Top dressed with gravel):

Number of loads of gravel, 40.	
Cost of gravel.....	\$4.00
Labor of men and teams.....	78.25
	<hr/>
	\$82.25
Length, 506 feet.	
Width, 14 feet.	
Square yards, 787.	
Cost per lineal foot, \$0.162.	
Cost per square yard, \$0.104.	

SIDEWALKS.

Boynton street:

Length, 1,028 feet.	
Width, 7 feet.	
Square yards, 800.	
Labor	\$141.25
Cost per lineal foot, \$0.137.	
Cost per square yard, \$0.176.	

Putnam street, at dump:

Length, 85 feet.	
Width, 10 feet.	
Square yards, 94.	
Labor	\$86.50
Cost per lineal foot, \$1.018.	
Cost per square yard, \$0.92.	

South Main street:

Length, 590 feet.	
Width, 6 feet.	
Square yards, 393.	
Labor	\$91.00
Cost per lineal foot, \$0.154.	
Cost per square yard, \$0.231.	

STREETS BUILT WITH ROAD MACHINE.

Alfred street, Hanover to Amherst street...	\$40.00
River road, north of Charles Rowell's.....	12.50
Vinton street	28.50
	<hr/>
	\$81.00

GENERAL REPAIRS. DIVISION NO. 2.

Adams street, north of Clarke northerly, grading	\$43.73
Arah street, patching.....	12.50

Beech street at Cemetery Brook, repairing fence	\$5.35	
Bell and Union streets, grading walk and street	5.50	
Bridge street, damage by rain.....	33.50	
Brown avenue at Beech street, damage by rain	31.50	
Calef road, patching.....	22.00	
Hampshire Lane, south of West Central, grading	6.49	
Maple street, Valley southerly, patching....	28.25	
Titus avenue, damage by rain.....	7.00	
Union street, Lake avenue southerly, patching	9.50	
Cleaning gutters	2,408.40	
Cutting down trees.....	248.60	
Various streets, patching.....	760.32	
Various streets, repairing washouts.....	395.62	
Miscellaneous repairs not listed.....	1,049.58	
		<hr/>
		\$5,067.84

GENERAL REPAIRS. DIVISION NO. 7.

Superintendence and timekeeping.....	\$1,350.53
General repairs	\$833.17
Cleaning gutters	512.67
	<hr/>
	\$1,345.84
Superintendence and timekeeping.....	\$334.12

GENERAL REPAIRS. DIVISION NO. 10.

Cleaning gutters	\$1,403.00
Cleaning crossings and removing stones....	374.50
Patching streets	1,592.75
Repairing washouts	396.87
Janelle avenue, filling.....	36.50
Cutting bushes	167.47
Path from Winter street to bath house.....	58.50
Trimming trees	92.23
Labor, crusher at gravel bank.....	428.50
	<hr/>
	\$4,550.32
Superintendence and timekeeping.....	\$698.60

Division No. 4.

BYRON MOORE, AGENT.

All general repairs on roads and sidewalks have been made.

Very little new road has been built this year.

Gravel used, 60 loads; clay, 50 loads.

Paid James M. Lurvey, gravel.....	\$6.00	
J. Frank Moore, clay.....	5.00	
labor of men and teams.....	364.12	
		<u>\$375.12</u>

Division No. 5.

MARK E. HARVEY, AGENT.

On account of inability to obtain help but little work has been done in this division during the year, except to make repairs where the roads were washed out by the heavy rains, 130 loads of gravel have been used.

Some stone work and filling has been done at the new bridge across Cohas brook.

Bushes have been cut on Porter street, Webster road and Londonderry road, about one and one half miles in all.

Stones have been removed from all roads several times during the season.

Four hundred and sixteen feet of new fence has been built at dangerous places.

All roads have been broken out after each storm and kept in passable condition during the winter.

EXPENDITURES.

Paid Cleaves N. Harvey, 43 loads gravel....	\$4.30	
Mark E. Harvey, 59 loads gravel.....	5.90	
Eugene G. Libbey, 4 loads gravel.....	.40	
John Lovering, 39 loads gravel.....	3.90	
Oliver Merrill, 31 loads gravel.....	3.10	
Lawrence Connor, 15 loads gravel.....	1.50	
		<u>\$19.10</u>
labor as per payroll.....		\$209.61
		<u>\$228.71</u>

Division No. 8.

LEVI J. PROCTOR, AGENT.

The entire work this year has been confined to repairing the various highways where needed, the material used coming from the city gravel bank on Bridge street extension.

The hay on the city farm was cut and the cost charged to this district.

Amount expended for labor as per payroll..... \$1,061.22

Division No. 9.

LESTER C. PAIGE, AGENT.

Roads graveled:

Derry road, 246 rods.

Cohas avenue, 80 rods.

Paige road, 32 rods.

Material used, 480 loads gravel.

Roads ploughed and turnpiked:

Derry road, 22 rods.

Corning road, 10 rods.

Paige road, 30 rods.

Mammoth road, 23 rods.

Paving:

Corning road, 900 feet, using 158 loads of stone.

Bridges:

The bridge across Cohas Brook at Mammoth road was replanked.

Bushes were cut along various roads, stones removed from roads, washouts repaired and general repairs attended to where needed.

Total amount expended during the year..... \$978.28

MISCELLANEOUS EXPENSES CHARGED TO APPROPRIATION FOR REPAIRS OF HIGHWAYS.

Curbing	\$39.00	
Kerosene oil.....	25.50	
Supplies	512.49	
Repairs	46.89	
Freight, etc.	44.70	
Insurance on boilers.....	45.52	
Use of water	3.00	
Concreting	682.72	
		\$1,399.82
New road roller, 6/7 of contract price.....		3,000.00
Electric motor pulleys.....		27.06
Contracts and bills incurred previous to 1907.....		1,528.33
Balance unexpended		1,480.86
		<hr/> \$44,639.59

Board of Street and Park Commissioners in Account with the Appropriation for New Highways.

By fuel, L. B. Bodwell & Co.:

8 tons Cumberland coal @ \$5.75..... \$46.00
 2 tons Cumberland coal @ \$6.00..... 12.00

\$58.00

By supplies:		
John B. Varick Co.....		\$18.53
By labor:		
Payroll Division No. 2.....	\$219.62	
Payroll Division No. 7.....	3,560.96	
Payroll Division No. 10.....	23.00	
		<hr/>
		\$3,803.58
		<hr/>
		\$3,880.11
To appropriation for new highways.....	\$5,000.00	
By balance unexpended.....		1,119.89
		<hr/>
	\$5,000.00	\$5,000.00

ITEMIZED OPERATIONS.

AUBURN STREET—Passageway to Hall Road.

(Cutting street to grade; average cut 4.5 feet):

Labor of men.....	\$260.98	
Labor of teams.....	108.00	
		<hr/>
		\$368.98

Length, 175 feet.

Width, 50 feet.

Began November 11; finished November 18.

Cubic yards, 1,458.

Cost per lineal foot, \$2.108.

Cost per cubic yard, \$0.253.

CLAY STREET—West line of Wilson Street to East line of Lincoln Street.

Number of loads of gravel used, 172.

Labor of men.....	\$217.54	
Labor of teams.....	72.00	
		<hr/>
		\$289.54

Length, 620 feet.

Width, 30 feet.

Began July 19; finished July 27.

Square yards, 2,067.

Cost per lineal foot, \$0.467.

Cost per square yard, \$0.14.

DIX STREET—Wilson Street Easterly.

(Street cut out and graveled), gravel taken from Wilson street. Average cut, 1.20 feet.

Number of loads of gravel used, 41.

Labor of men.....	\$60.00	
Labor of teams.....	20.00	
		<hr/>
		\$80.00

Length, 150 feet.
 Width, 30 feet.
 Began July 29, finished August 17.
 Square yards, 500.
 Cost per lineal foot, \$0.533.
 Cost per square yard, \$0.16.

HALL STREET—Somerville Street to Howe Street.

(Top dressed with gravel):

Labor of men.....	\$283.28	
Labor of teams.....	90.00	
	<hr/>	\$373.28

Length, 700 feet.
 Width, 30 feet.
 Square yards, 2,333.
 Cost per lineal foot, \$0.533.
 Cost per square yard, \$0.16.

HALL ROAD—Massabesic Street to Spruce Street.

(Cut to grade and top dressed with gravel from Auburn Street):

Cubic yards of earth and granite removed, 954.		
Labor of men.....	\$535.93	
Labor of teams.....	334.99	
Coal	72.55	
	<hr/>	\$943.47

Length, 1,960 feet.
 Width, 30 feet.
 Began August 24, finished September 9.
 Square yards, 6,533.
 Cost per lineal foot, \$0.481.
 Cost per square yard, \$0.144.

KNOWLTON STREET—Hayward Street Southerly.

(Top dressed with gravel):

Labor of men.....	\$155.28	
Labor of teams.....	50.00	
	<hr/>	\$205.28

Length, 481 feet.
 Width, 24 feet.
 Square yards, 1,283.
 Cost per lineal foot, \$0.427.
 Cost per square yard, \$0.16.

SILVER STREET—West line of Wilson Street Westerly.

Number of loads of gravel used, 78.		
Labor of men	\$150.70	
Labor of teams.....	50.00	
	<hr/>	\$200.70

Length, 430 feet.
 Width, 28 feet.
 Began July 19, finished July 27.
 Square yards, 1,338.
 Cost per lineal foot, \$0.466.
 Cost per square yard, \$0.15.

WILSON STREET—Somerville Street to Howe Street.

Number of cubic yards of earth removed, 213.	
Number of loads of gravel used, 242.	
Cost of gravel.....	\$48.40
Labor of men.....	327.15
Labor of teams.....	110.00
	<hr/>
	\$485.55

Length, 700 feet.
 Width, 30 feet.
 Began July 19, finished August 17.
 Square yards, 2,333.
 Cost per lineal foot, \$0.694.
 Cost per square yard, \$0.208.

MISCELLANEOUS WORK CHARGED TO APPROPRIATION FOR NEW HIGHWAYS.

Division No. 2 as per payroll.....	\$219.62
Division No. 7 as per payroll.....	966.78
Division No. 10 as per payroll.....	23.00
	<hr/>
	\$1,209.40

Board of Street and Park Commissioners in Account with
 the Appropriation for Watering Streets.

By supplies:

John B. Varick Co.....	\$33.50
Pike & Heald Company.....	72.61
The Head & Dowst Company.....	1.48
Chandler, Eastman & Sons (set 8" tire sprinkler wheels)	132.07
	<hr/>
	\$239.66

By repairs:

The S. P. Dodge Co.....	\$1.50
C. L. Wolf.....	.85
	<hr/>
	\$2.35

By freight:

Boston & Maine Railroad.....	\$54.37
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By ice:

L. B. Bodwell & Co., 20,000 lbs. @ \$0.15 per 100 (drinking fountain at Granite and Elm streets).....	\$30.01
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Maxwell Ice Co., 37,100 lbs. @ \$0.15 per 100 (drinking fountain at Wayne and Main streets)	\$55.65	
Manchester Coal & Ice Co., 40,450 lbs. @ \$0.15 per 100 (drinking fountain at Elm and West Bridge streets).....	60.68	
		\$146.34
By contracts and bills (incurred previous to 1907):		
L. B. Bodwell & Co., ice.....	\$49.42	
William Bremer, use of water.....	2.00	
		\$51.42
By labor:		
Payroll Division No. 2.....	\$3,091.22	
Payroll Division No. 7.....	865.84	
Payroll Division No. 10.....	935.82	
		\$4,892.88
		\$5,387.02
To appropriation for watering streets.....	\$7,000.00	
By balance unexpended.....		\$1,612.98
	\$7,000.00	\$7,000.00

ITEMIZED OPERATIONS.

Sprinkling West Manchester during season, 3 sprinklers	\$870.57
Sprinkling East Manchester during season, 3 sprinklers	814.47
Sprinkling city (District No. 2) during season, 8-10 sprinklers	2,232.90
Repairs and miscellaneous sprinkling, payroll.....	974.94
	\$4,892.88

Board of Street and Park Commissioners in Account with
the Appropriation for Paving Streets.

By granite paving blocks, Palmer & Garmon:		
16,804 6" blocks @ \$43 per M.....	\$722.58	
20,296 7" blocks @ \$49 per M.....	994.50	
		\$1,717.08
By curbing and corner curbing:		
Charles A. Bailey.....		\$328.00
By sand and gravel:		
Manchester Cement Block and Concrete Co.:		
60 loads sand.....	\$6.00	
115 loads gravel	8.63	
		\$14.63
Robie Consolidated Concrete Co.:		
17 loads sand (delivered).....	\$17.00	
4 loads sand (delivered).....	1.00	
1 load pea gravel (delivered).....	3.00	
1 load pea gravel (delivered).....	2.50	
		\$24.00

By cement, Henry W. Parker:		
100 bbls. Atlas @ \$2.25.....	\$225.00	
600 bags Atlas @ 56¼c.....	340.50	
	<hr/>	
	\$565.50	
To discount 1% for cash in 5 days.....	5.66	
	<hr/>	\$559.84
By 25 bbls. Atlas @ \$2.25.....		\$56.25
By kerosene oil:		
Wiggin, Young Co., 60 gallons @ 11c....	\$6.60	
A. A. Warren, 100 gallons @ 10c.....	10.00	
	<hr/>	\$16.60
By lumber, Head & Dowst Co.:		
1,152 feet spruce @ \$25 per M.....		\$28.81
By supplies:		
John B. Varick Co. (shovels, etc.).....	\$26.50	
Harold L. Bond (push brooms).....	9.25	
Pike & Heald Co (tees).....	.10	
	<hr/>	\$35.85
By miscellaneous charges:		
Boston & Maine Railroad (freight).....	\$0.50	
Boston & Maine Railroad (car service)..	1.00	
	<hr/>	\$1.50
J. F. Cavanaugh (transportation of pavers).....		\$4.28
By tar concrete work (new and repairs):		
Robie Consolidated Concrete Co. (See engineer's department report, tables Nos. 1, 2, 4, 5, and 6).		
1,629.354 sq. yds. @ 35c.....	\$570.26	
161.946 sq. yds. @ 50c.....	80.97	
332.563 sq. yds. @ 75c.....	249.41	
1,095.788 sq. yds @ \$1.00 (Eng. Dept.		
Table No. 5).....	1,095.78	
569.022 sq. yds. @ \$1.25 (Eng. Dept.		
Table No. 5).....	711.28	
	<hr/>	\$2,707.70
By contracts and bills (incurred previous to 1907):		
Maurice L. Hoitt, 110 loads paving stone	\$99.00	
W. H. Topping, turf and labor.....	4.00	
C. A. Bailey.....	162.63	
Robie Consolidated Concrete Co.....	859.67	
	<hr/>	\$1,125.30
By labor:		
Joseph Davidson (cutting 3,063 paving blocks).....		\$55.14
By payrolls:		
Division No. 2.....	\$3,010.82	
Division No. 7.....	201.57	
Division No. 10.....	473.65	
	<hr/>	\$3,686.04
	<hr/>	\$10,361.02

To appropriation for paving streets.....	\$5,000.00
J. A. Brown, second hand curbing.....	16.40
D. Leary, second hand curbing.....	.90
Owen Kenney, second hand curbing.....	3.70
People's Gas Light Co., labor and material relaying paving on Elm street, south of Water street.....	26.80
People's Gas Light Co., labor and material relaying paving on Elm street at West Auburn street.....	74.32
People's Gas Light Co., labor and material relaying paving on Elm street at Auburn street	80.87
People's Gas Light Co., labor and material setting gas well frames and covers	12.86
Manchester Traction, Light & Power Co., labor and material drilling and blasting holes for poles on Beech, Somerville, Central, Belmont, Milton, Merrimack, and Beacon streets.....	130.00
Manchester Street Railway, paving street railway track on Main street, Wayne to Amory (paving blocks, trap rock and sand).....	541.93
Manchester Traction, Light & Power Co., sidewalk repairs	14.13
Manchester Street Railway, paving blocks	429.81
Manchester Street Railway, unloading and teaming blocks.....	27.50
Manchester Street Railway, labor laying paving blocks, carting earth from track and sand furnished	148.50
Manchester Street Railway, labor and material paving track on Bridge street at Chestnut street.....	75.53
Manchester Street Railway, labor and material paving track on Bridge street at Union street.....	76.13
Manchester Street Railway, labor and material paving track on Manchester street at Union street.....	70.50
Henry I. Hazelton, 100 ft. 7" x 18" curbing	45.00
William E. Goodwin, flushing out sewer	1.32
Valley cemetery, 20 bags Atlas cement..	11.35
Manchester Street Railway, paving Pine street	500.00

To Manchester Street Railway, excavating old concrete on Main street, Wayne to Amory	\$150.50	
Manchester Street Railway, labor laying paving	105.47	
To overdraft	2,818.00	
	<hr/>	<hr/>
	\$10,361.02	\$10,361.02

ITEMIZED OPERATIONS.

*GUTTERS (New).

STREET.	Location.	Length.	Width.	Square yards.	Labor.
Rowman, west side.....	Mast, southerly.....	185	3	61.66	\$35.25
Conant and Corning roads.....	At M. C. Paige's.....	900	3	900.00	42.00
Coolidge avenue, west back.....	North of Brenet, northerly.....	70	3	23.33	12.00
Derry, east side.....	At No. 15.....	50	3	16.66	4.25
Elm, east side.....	South of Clarke, southerly.....	30	3	10.00	2.50
Mast.....	At Riddle.....	78	3	26.00	38.50
Milton.....	At No. 408, driveway.....	20	3.5	7.77	2.28
Nicolet lane.....	Main to McGregor.....	330	3	116.66	107.00
River road, west side.....	W. Clarke, north and south.....	200	3	66.66	12.09
Sagamore, east and west.....	Chestnut to Pine.....	612	3.5	238.00	67.69
Silver, north and south.....	Hall, easterly.....	225	3	75.00	11.23
Somerville, south side.....	Hall, easterly.....	150	3	50.00	7.50
Spruce, north side.....	Barry avenue, easterly.....	175	3	58.33	11.66
Union.....	Manchester to Monadnock lane.....	100	3	33.33	16.83
Union, east side.....	Spruce to Lake avenue.....	199	3	66.33	15.69
Winter.....	South Main, westerly.....	387	3	129.00	43.50
		3,731		1,878.73	\$429.99

* Material taken from stock on hand.

GUTTERS (Relaid).

STREET.	Location.	Length.	Width.	Square yards.	Labor.
Amherst, south side.....	At No. 49 and No. 51.....	52	3	17.33	\$1.68
Amherst, south side.....	Union, easterly.....	115	3	38.31	26.54
Bridge, south side.....	Chestnut, easterly.....	200	3	66.66	13.90
Central, west.....	Elm to Franklin.....	100	3	33.33	11.63
Chestnut, east side.....	At Dr. Ellen Wallace's.....	98	3 5	38.30	6.75
Chestnut, west side.....	At Hotel Laxson.....	60	3	20.00	3.37
Derry.....	At No. 15.....	150	3	60.00	9.99
Franklin, east side.....	Granite to Depot.....	190	3	61.33	6.35
Merrimack, north side.....	Union, westerly.....	70	3	23.33	19.30
Merrimack, north side.....	At No. 168.....	51	3	17.00	1.58
Pearl.....	Russell, easterly.....	100	3	33.33	10.00
Welch avenue, north side.....	At No. 42 and No. 44.....	50	3	16.66	3.16
Union, east side.....	Hanover to Manchester.....	196	3	65.33	31.23
" west side.....	Hanover to Manchester.....	196	3	65.33	42.57
" east and west sides.....	Manchester to Monadnock lane.....	200	3	66.66	43.00
" west side.....	Merrimack, northerly.....	120	3	40.00	17.47
" east side.....	Laurel, southerly.....	90	3	30.00	12.14
" ".....	Laurel south back to Central.....	92	3	30.50	18.70
" ".....	Central to Lake avenue.....	199	3	66.33	33.17
" east and west sides.....	Merrimack to Laurel.....	388	3	129.33	50.57
MISCELLANEOUS DIVISION No. 10.					
Main, east back.....	Amory to Marion.....	220	3	73.33	78.50
		2,937		984.41	\$463.89

STREET PAVING (New).

STREET.	Location.	Length.	Width.	Square yards.	Labor.
Bridge place *.....	Bridge, southerly	85	14	132.22	\$115.58
Hampshire lane *.....		264	14	410.66	178.44
Hampshire lane *.....		144	14	224.00	70.83
		493		766.88	\$364.85

* Old granite blocks, sand foundation, sand joints.

STREET PAVING (Repaired).

STREET.	Location.	Square yards.	Labor.
Elm, east side.....	South of Myrtle..... At Mechanic..... At east end of Granite bridge..... Rear of Russell's stable..... North of Bridge..... Between Concord and Amherst..... East of Nutfield lane.....	.....	\$4.10
Elm, west side.....		.....	12.26
Granite.....		.....	13.47
Granite, south back.....		.....	10.45
North Church.....		.....	4.00
Nutfield lane.....		.....	39.50
Monadnock lane.....		.....	9.51
		18.77	
			\$95.29

CORNER CURBING (New.)

STREET.	Location.	Size of chicle.	Cost of chicle.	Labor.	Total cost.	Length.
Alsace.....	Kelley, S. W. corner.....	8	\$8.17	\$4.00	\$12.17	12.567
Amherst.....	Vine, N. W. corner.....	8	8.17	6.10	14.27	12.567
Amory.....	Main, S. E. corner.....	8	8.17	4.00	12.17	12.567
Ashland.....	Pearl, S. W. corner.....	8	8.17	5.11	13.28	12.567
Auburn.....	Wilson, S. W. corner.....	10	10.21	3.00	13.21	15.708
Bay.....	Carpenter, S. E. corner.....	10	10.21	3.40	13.61	15.708
Bayman.....	Mast, S. E. corner.....	8	8.17	6.50	14.67	12.567
Bowman.....	Mast, S. W. corner.....	10	10.21	7.50	17.71	15.708
Cartier.....	Kelley, S. W. corner.....	8	8.17	4.70	12.87	12.567
Dubuque.....	" S. E. corner.....	8	6.12	6.10	14.27	9.424
Dubuque east back.....	" S. E. and S. W. corners.....	3	6.12	4.00	10.12	15.708
Franklin.....	Granite, N. E. corner.....	10	10.21	3.36	13.57	15.708
Hampshire lane.....	West Cedar, N. E. corner.....	3	3.06	2.24	5.30	4.712
Main.....	Marion, N. E. corner.....	8	8.17	4.00	12.17	12.567
Mam.....	Nicolet lane, N. E. and S. E. corners.....	3	6.12	4.00	10.12	9.424
McGregor.....	Nicolet lane, N. W. and S. W. corners.....	6	12.25	9.50	21.75	18.848
Mast.....	Riddle, S. E. and S. W. corners.....	10	20.42	12.00	32.42	31.416
Myrtle.....	At Sullivan's garage.....	3	9.10	5.23	14.32	15.708
Pine.....	Central, S. E. corner.....	10	10.21	5.90	16.11	15.708
".....	Central south back, S. E. corner.....	3	3.06	1.55	4.61	4.712
".....	Lake avenue, S. W., S. E. and N. W. corners.....	10	30.63	9.94	40.57	47.124
".....	Lake avenue, N. E. corner.....	8	8.17	4.30	12.47	12.567
".....	Spruce, S. E. corner.....	10	10.21	5.95	16.16	15.708
".....	Spruce, S. E. corner.....	8	8.17	5.90	14.07	12.567
River road.....	West Webster, N. E. and S. E. corners.....	10	20.42	13.95	34.37	31.416
Spruce south back.....	Fifth Avenue lane, N. W. and S. W. corners.....	3	6.12	7.32	13.44	9.424
Third.....	Walker, N. W. corner.....	8	8.17	4.70	12.87	12.567
Union.....	Hanover, S. E. and S. W. corners.....	10	20.42	6.67	21.09	31.416
".....	Manchester, S. E., S. W., N. E., and N. W. corners.....	10	40.84	15.19	56.03	62.882
".....	Merrimack, S. E., S. W., N. E., and N. W. corners.....	10	40.84	14.74	55.58	62.882
".....	Spruce, N. W. corner.....	10	10.21	4.03	14.24	15.708
".....	Londonderry lane, S. E., S. W., and N. E. corners.....	3	9.18	3.36	12.54	14.110
".....	Monadnock lane, S. E., S. W., N. E., and N. W. corners.....	3	12.25	4.48	16.73	18.848
".....	Merrimack, S. E., S. E., S. W., N. E., and N. W. corners.....	3	12.25	6.00	18.25	18.848
.....	.....	.....	\$414.51	\$210.02	\$624.53	637.715

CORNER CURBING (Reset).

STREET.	Location.	Size of circle.	Labor.
Central	Pine, S. W. corner.....	.....	\$ 2.09
Union	Londonderry Lane, N. W. corner ..	3	1.12
*Union.....	Laurel, S. E., N. E., N. W. corners..	.....	9.16
Union.....	Central, S. E. corner .....	.....	2.09
Union	Lake avenue, N. E. corner.....	.....	1.12
Union.....	Lake avenue, S. E. corner.....	.....	2.09
			<hr/> \$16.57

* Includes 19.5 feet of curbing and one cesspool curb.

ELM STREET—At Auburn Street.

(Repairing Granite Block Paving.)

Foundation:

12 bags Portland cement @ 56¾c.....	\$6.81	
1 load sand	1.00	
.81 tons crushed stone.....	.81	
Labor of men.....	20.58	
Labor of teams.....	6.25	
		<hr/> \$35.45

Top:

7 bags Portland cement @ 56¾c.....	\$3.97	
1½ loads sand	1.50	
534 street blocks @ \$0.049.....	26.11	
190 track blocks @ \$0.043.....	8.17	
Labor of men.....	2.57	
Labor of teams.....	1.25	
		<hr/> \$43.57

Square yards, 29.

Cost per square yard, \$2.72.

FRANKLIN WEST BACK STREET—West Central Street to West Central South Back Street.

(Cement Concrete Roadway.)

Foundation:

52 bags Portland cement @ 56¾c.....	\$29.51
7 loads sand @ \$1.00.....	7.00
14 tons crushed stone @ \$1.24.....	17.36

Top:

64 bags Portland cement @ 56¾c.....	36.32
5 loads sand @ \$1.00.....	5.00
11½ tons crushed stone @ \$1.24.....	14.26
Labor of men.....	45.22
Labor of teams.....	7.00
	<hr/>

\$161.67

Length, 86 feet.
 Width, 14 feet.
 Square yards, 133.77.
 Cost per square yard, \$1.163.

PINE STREET—Central Street to Spruce Street.

(Cement Concrete Foundation, Paving Gutters and Car Tracks and
 Cleaning Street.)

Preparing foundation:

677½ bags Portland cement @ 56¾c.....	\$384.48	
73 loads gravel @ 7½c.....	5.48	
Sand	5.00	
Labor of Men.....	745.27	
Labor of teams.....	255.37	
		<hr/>
		\$1,395.60

Length, 540 feet.
 Width, 16 feet.
 Square yards, 1,095.783.
 Cost per square yard, \$1.273.

Gutter and car track:

13,068 street blocks @ \$49 per M.....	\$640.33	
7,334 track blocks @ \$43 per M.....	315.36	
58 bbls. cement @ \$2.25.....	130.50	
5 loads pea gravel @ 7½c.....	.38	
2 loads roofing gravel.....	6.00	
21 loads sand @ 10c.....	2.10	
Labor of men.....	237.42	
Labor of teams.....	22.74	
		<hr/>
		\$1,354.83

Length of gutter, 866 feet.
 Width of gutter, 3 feet.
 Square yards, 288.66.
 Square yards track and street, 349.
 Cost per square yard, \$2.124.

Cleaning street:

Labor of men.....	\$40.32	
Labor of teams	36.00	
		<hr/>
		\$76.32

Cost of work done by city.....	\$2,826.75
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Cost of tar concrete roadway.....	1,099.54
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Total cost	\$3,926.29
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Cost per square yard, \$2.265.

SOMERVILLE STREET—Hall Street to Belmont Street.

(Paving Street Car Tracks.)

4,147 granite blocks, 7" @ \$49 per M.....	\$203.20
5,270 granite blocks, 6" @ \$43 per M.....	226.61

8 loads sand @ \$1.00.....	\$8.00	
Labor of men.....	76.60	
Labor of teams.....	90.11	
		<hr/>
Began September 27, finished September 30.		\$591.02
Length, 306 feet.		
Width, 8 feet.		
Square yards, 272.		
Cost per lineal foot, \$1.931.		
Cost per square foot, \$2.173.		

UNION STREET—Laurel Street to Merrimack Street.

(Cement Concrete Foundation.)

320½ bags Atlas cement @ 56¾c.....	\$181.78	
39 loads gravel @ 7½c.....	2.93	
32 loads sand @ \$1.00.....	32.00	
1½ loads pea gravel @ 7½c.....	.11	
Labor of men.....	287.44	
Labor of teams	104.61	
		<hr/>
Length, 202 feet.		\$608.87
Width, 22.5 feet.		
Square yards, 569.02.		
Cost per square yard, \$1.07.		
Miscellaneous paving, Division No. 2.....	\$73.17	
Miscellaneous paving, Division No. 10.....	78.60	
		<hr/>
		\$151.77

Board of Street and Park Commissioners in Account with
the Appropriation for Macadamizing Streets.

By broken stone, Winchester Stone Company:		
185.21 tons No. 3 @ \$1.24, \$229.65; discount, \$4.59; net.....	\$225.06	
72.92 tons No. 2 @ \$1.24, \$90.43; discount, \$1.81; net	88.62	
52.36 tons dust @ \$1.24, \$64.92; discount, \$1.30; net	63.62	
		<hr/>
		\$377.30
By steam roller (15 ton), Buffalo Steam Roller Co., 1/7 contract price charged to this appropriation		\$500.00
By fuel, L. B. Bodwell & Co.:		
1 ton steam coal.....	\$5.00	
5 tons Cumberland coal @ \$5.75.....	28.75	
3 tons Cumberland coal @ \$6.00.....	18.00	
		<hr/>
		\$51.75

By lumber and labor:		
The Head & Dowst Co.....		\$72.21
By supplies and repairs:		
John B. Varick Co.....	\$41.07	
Pike & Heald Co.....	5.33	
Drew Machinery Agency.....	7.50	
Fred F. Osgood.....	.50	
Good Roads Machinery Co.....	2.50	
		<hr/>
		\$56.90
By water:		
Board of water commissioners.....		\$52.50
By electric motor, etc. (45-horse power):		
Manchester Traction, Light & Power Co.,		
motor	\$445.00	
Manchester Traction, Light & Power Co.,		
fixtures	32.68	
Manchester Traction, Light & Power Co.,		
labor	11.00	
Manchester Traction, Light & Power Co.,		
power	18.00	
		<hr/>
		\$506.68
By miscellaneous:		
Robie Consolidated Concrete Co., labor		
and material, balance.....	\$19.76	
C. Johnson, 8 stone steps.....	32.00	
		<hr/>
		\$51.76
By contracts and bills (incurred previous to 1907):		
Benjamin Greer, 3 cords wood @ \$4.50..	\$13.50	
A. B. Black, agent, springs for crusher..	14.00	
American Locomotive Co., repairs of boiler	95.00	
		<hr/>
		\$122.50
By labor:		
Payroll Division No. 2.....	\$425.67	
Payroll Division No. 7.....	568.86	
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		\$994.53
		<hr/>
		\$2,786.13
To appropriation	\$7,000.00	
By balance unexpended.....		4,213.87
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	\$7,000.00	\$7,000.00

ITEMIZED OPERATIONS.

CANTON STREET—Spruce Street to Auburn Street.

(Top dressed with crushed granite from Auburn street and Hall road):
Number of tons of crushed granite, estimated, 310.

Cost of granite, estimated.....	\$186.00	
Labor of men.....	92.76	
Labor of teams.....	76.50	
Coal	11.15	
Electric power	22.30	
	<hr/>	\$388.71
Length, 500 feet.		
Width, 20 feet.		
Began November 2, finished November 9.		
Square yards, 1,111.		
Cost per lineal foot, \$0.777.		
Cost per square yard, \$0.35.		

SOMERVILLE STREET—Hall Street to Belmont Street.

(Top dressed with trap rock):

Number of tons trap rock, 310.49.		
Cost of trap rock.....	\$377.30	
Cost of coal.....	10.11	
Labor of men.....	169.35	
Labor of teams.....	65.50	
	<hr/>	\$622.26
Length, 506 feet.		
Width, 20 feet.		
Began October 30, finished November 14.		
Square yards, 1,113.		
Cost per lineal foot, \$1.229.		
Cost per square yard, \$0.559.		

SPRUCE STREET—Cypress Street to Canton Street.

(Top dressed with crushed granite from Auburn street and Hall road):

Number of tons of crushed granite, estimated, 282.		
Cost of granite, estimated.....	\$169.20	
Labor of men	91.75	
Labor of teams.....	74.00	
Coal	9.34	
Electric power	20.72	
	<hr/>	\$365.01
Length, 350 feet.		
Width, 26 feet.		
Began October 14, finished October 24.		
Square yards, 1,011.		
Cost per lineal foot, \$1.043.		
Cost per square yard, \$0.361.		

MISCELLANEOUS REPAIRS CHARGED TO MACADAMIZING STREETS.

Division No. 2 as per payroll.....	\$425.67	
Coal	41.64	
	<hr/>	\$467.31

ITEMIZED OPERATIONS.

CURBING (New).

STREET.	Location.	Length	Labor.
Alsace, east side.....	Kelley, northerly.....	93	\$ 13.02
Amherst, south side.....	At No. 49-51.....	42	6.75
Auburn, south side.....	Wilson, westerly.....	100	13.36
Bay, east side.....	Carpenter, southerly.....	100	8.00
Boutwell, west side.....	South of Kelley, southerly.....	50	4.00
Bridge place, east side.....	Bridge, southerly.....	50	8.35
Carpenter, south side.....	Bay, easterly.....	130	10.40
Cartier, west side.....	Kelley, southerly.....	69	11.90
Cartier, east side.....	At No. 193.....	67	24.25
Cedar south back, north side.....	Beech, westerly.....	50	9.41
Central, south back.....	Pine, easterly.....	20	1.60
Derry, east side.....	At No. 15.....	50	4.00
Dubuque, south side.....	Kelley, southerly.....	66	10.90
Dubuque east back.....	Kelley, southerly.....	166	25.90
Elm, east side.....	At Charles B. Manning's.....	30	9.11
Fifth Avenue lane, west side.....	Spruce to Spruce, south back.....	100	13.00
Franklin, east side.....	Depot to Granite.....	191	18.67
Franklin west back, east side.....	W. Central to W. Central, south bk.....	92	17.36
Franklin west back, west side.....	West Central south back, north'ly.....	45	8.98
Granite, north side.....	Hampshire Lane to Franklin.....	98	13.50
Hampshire lane, east side.....	Granite to West Cedar.....	123	10.85
Janelle avenue, north side.....	Bartlett, westerly.....	75	15.00
Kelley, south side.....	Cartier, easterly.....	100	20.00
Kelley, south side.....	Dubuque to Dubuque, east back.....	100	16.00
Kelley, north side.....	Alsace, easterly.....	55	7.48
Laurel, south side.....	Wilson, easterly.....	50	5.99
Laurel, north side.....	Union, easterly.....	20	5.19
Main, east side.....	Nicolet lane, northerly.....	98	10.00
Main, east side.....	Nicolet lane to Marion.....	100	10.00
Main, east side.....	Wayne, southerly.....	50	14.25
Manchester, north side.....	Wilson, westerly.....	38	5.99
Mast, south side.....	At Bowman.....	13	2.50
Mast, south side.....	Riddle, east and west.....	43	22.25
Merrimack, north side.....	Union, westerly.....	70	17.12
Merrimack, north side.....	At No. 168.....	51	4.74
Monadnock lane.....	West of Union.....	10	1.53
Myrtle, north side.....	East of Elm, easterly.....	33	5.23
Nicolet lane, north and south sides.....	Main to McGregor.....	267	24.00
Pine, west side.....	Lake avenue to Spruce.....	270	23.60
Pine, east side.....	Between Lake avenue and Spruce.....	40	3.20
Pine, east side.....	Central to Central, south back.....	100	7.62
Pine west back, east side.....	High, southerly.....	100	22.88
Spruce, south side.....	Fifth Avenue lane, westerly.....	60	7.80
Union, east side.....	Londonderry lane to Manchester.....	100	12.24
Union, east side.....	Manchester to Monadnock lane.....	100	11.23
Union, east side.....	Merrimack to Merrimack, south bk.....	86	19.18
Union, east side.....	Laurel to Laurel, south back.....	89	13.84
Union, west side.....	Londonderry lane to Manchester.....	98	9.99
Union, west side.....	Monadnock lane to Merrimack.....	124	10.36
Union, west side.....	Merrimack to Merrimack, south bk.....	90	9.00
Union, west side.....	Merrimack, south back to Laurel.....	90	27.38
Union, west side.....	At No. 528.....	13	.55
Union, west side.....	North of Clarke.....	121	12.50
Union, east side.....	At No. 989.....	54	6.25
Union, east side.....	Cedar to Spruce, south back.....	100	16.94
Wayne south back.....	Main, easterly.....	50	6.00
Welch avenue, north side.....	At No. 42-44.....	50	6.35
West Hancock, south side.....	South Main to Wheelock.....	103	88.25
West Webster, north and south sd.....	River road, easterly.....	140	17.20
Winter, south side.....	West of South Main, westerly.....	102	63.75
		4950	\$820.64

CURBING (Reset).

STREET.	Location.	Length	Labor.
Amherst.....	Vine, westerly.....	52	\$ 5.24
Central, West, south side.....	Franklin, west back, easterly.....	15	1.50
Franklin west back, west side.....	West Central, southerly.....	44	8.85
Londonderry lane.....	Union, westerly.....	32	3.49
Londonderry lane.....	Union, easterly.....	20	2.24
Nutfield lane.....	South of Manchester.....	12	1.20
Pine, east side.....	Lake avenue to Spruce.....	180	14.40
Pine, east side.....	Lake avenue to Central, south back	100	8.00
Pine, west side.....	Central to Lake avenue.....	220	26.00
Union, east side.....	Hanover, southerly.....	68	6.75
Union, east side.....	Merrimack, south back to Laurel...	84	18.00
Union, east side.....	Laurel, south back to Central.....	91	6.00
Union, west side.....	Hanover to Londonderry lane.....	98	3.98
Union, west side.....	Manchester to Monadnock lane....	100	8.50
Union, east side.....	Spruce, south back to Lake avenue	99	6.56
Vine, west side.....	Amherst, northerly.....	36	3.60
		1251	\$124.31

Board of Street and Park Commissioners in Account with
the Appropriation for Grading for Concrete.

By George E. Watson, 40 loads sand @ 20c.....		\$8.00
John B. Varick Co., supplies.....		4.35
Robie Consolidated Concrete Co., concrete.....		\$214.72
By contracts and bills (incurred previous to 1907):		
Charles A. Bailey, curbing and corner		
curbs	\$1,606.26	
A. Laberge, edgestone.....	40.00	
		\$1,646.26
By labor:		
Payroll Division No. 2.....	\$1,427.35	
Payroll Division No. 7.....	235.37	
Payroll Division No. 10.....	556.71	
		\$2,219.43
		\$4,092.76
To appropriation for grading for concrete	\$3,500.00	
overdraft	592.76	
	\$4,092.76	\$4,092.76

GRADING FOR CONCRETE.

Miscellaneous grading, Division No. 2.....	\$551.86
Miscellaneous grading, Division No. 7*.....	219.97
Miscellaneous grading, Division No. 10.....	157.36
	\$929.19

* Includes sidewalk on Hall road.

CORNER CURBS.

STREET.	Location.	Size of circle.	Cost of circle.	Labor.	Total cost.	Length.
Belmont.....	Harvard, southeast corner.....	10	\$10.21	\$ 4.00	\$14.21	15.703
Hall	Somerville, southeast and southwest corners	10	20.42	6.20	26.62	31.416
*Cypress.....	Spruce, northeast and southeast corners.....			5.20	5.20	
			\$30.63	15.40	\$46.03	47.124

* Reset.

GRADING FOR PAVING.

LOCATION.	Limits.	Labor of men.	Labor of teams.	Total cost.
Bridge place.....	Bridge, southerly.....	\$26.78	\$ 29.25	\$ 56.03
Franklin west back	West Central to Depot.....	39.34	24.75	64.09
Hampshire lane.....	Granite to West Cedar.....	83.30	43.87	127.17
Hampshire lane.....	Water to Mechanic.....	49.35	29.25	78.60
		\$198.77	\$127.12	\$325.89

Board of Street and Park Commissioners in Account with the Appropriation for Scavenger Service.

By garbage contract:		
W. H. Bickford.....		\$1,922.64
By supplies:		
John B. Varick Co., rakes, forks, etc....	\$17.95	
The Head & Dowst Co., lumber and labor	3.41	
	<hr/>	\$21.36
By repairs:		
The S. P. Dodge Co., repairs on wagons.....		\$7.00
By hay:		
Committee on city farm, 110.82 tons @ \$8.....		\$880.16
By miscellaneous:		
W. P. Paige, express on sleds.....	\$0.75	
By contracts and bills (incurred previous to 1907):		
W. H. Bickford, scavenger service.....	\$160.22	
L. B. Bodwell & Co., coal.....	164.61	
City farm, hay.....	858.52	
Arthur S. Brown, grain.....	338.45	
Frank T. Moore, sleds.....	30.00	
The Tiffin Wagon Co., garbage cart, etc.	113.55	
	<hr/>	\$1,665.35
By labor:		
Payroll Division No. 2.....	\$17,477.23	
Payroll Division No. 7.....	2,956.21	
Payroll Division No. 10.....	4,417.18	
	<hr/>	\$24,850.62
		<hr/>
		\$29,347.88
To appropriation for scavenger service.....	\$25,000.00	
overdraft	4,347.88	
	<hr/>	<hr/>
	\$29,347.88	\$29,347.88

ITEMIZED OPERATIONS.

The work performed by the scavenger department comprises the collection, removal and disposal of ashes, paper, refuse, litter, both house, yard, and street, and a great deal of material thrown out from the repairs and alterations of buildings. The district covered by the service is divided into routes, the growth from the original districts and extensions.

Routes Nos. 1, 2, and 3 comprise the section bounded by Orange, Elm, West Salmon, River Road, Rowell, Union, Webster, Beech, Sagamore, and Linden streets.

Route No. 1 is collected Mondays and Thursdays.

Route No. 2 is collected Tuesdays and Fridays.

Route No. 3 is collected Wednesdays and Saturdays.

The average work requires the services of two one-horse teams and two helpers.

Routes Nos. 4, 5, 6, 7, 8, and 9 are bounded by Orange, Elm, Concord, Highland, Bridge and Belmont streets.

Route No. 4 in the northeast corner is collected Mondays.

Routes Nos. 6 and 8 are collected Tuesdays and Fridays.

Route No. 9 is collected Wednesdays and Saturdays.

Routes No. 5 and No. 7 are collected Thursdays.

The average work requires the services of one two-horse team and one one-horse team and three helpers.

Routes Nos. 10, 11, 12, and 22 are bounded by Concord, Elm, Manchester, and Beacon streets.

Route No. 10 is collected Mondays and Thursdays.

Routes No. 11 and No. 22 are collected Tuesdays and Fridays.

Routes No. 12 and No. 22 are collected Wednesdays and Saturdays.

The average work requires the services of one one-horse team and one helper.

Routes Nos. 13, 14, 17, and 19 are bounded by Manchester, Hall, Hanover, Beacon, Merrimack, Cass, Lake avenue, Wilson, Cedar, Maple, Auburn and Beech streets, together with route No. 19, which is bounded by Auburn, Beech, Valley, Pine, Hayward, and Elm streets, also bounded by Calef road, Baker street, Brown avenue, and Elm street.

Route No. 13 is collected Mondays and Fridays.

Route No. 14 is collected Tuesdays.

Route No. 17 is collected Wednesdays.

Route No. 19 is collected Saturdays.

The average work requires the services of one two-horse team and one one-horse team and three helpers.

Routes Nos. 15, 16, and 18 are bounded by Elm, Manchester, Beech, and Auburn streets.

Route No. 18 is collected Mondays and Thursdays.

Route No. 15 is collected Tuesdays and Fridays.

Route No. 16 is collected Wednesdays and Saturdays.

The average work requires the services of one two-horse team and one one-horse team and three helpers.

Routes Nos. 20 and 21, west of Elm street from Langdon to Auburn street, are collected three times a week.

Route No. 20 is collected Mondays, Wednesdays, and Fridays.

Route No. 21 is collected Tuesdays, Thursdays, and Saturdays.

The average work requires the services of one one-horse team and one helper.

The paper wagon covered the routes from Auburn street to Bridge street, Elm westerly and Elm easterly to Chestnut street. Collections were made daily.

The average work requires the services of one two-horse team and two helpers.

Routes Nos. 47, 48, 49, 50, 51, 52, and 53 comprise East Manchester, covering the territory bounded by Routes Nos. 13, 17, and 19, by Cilley road, Jewett street, Young road, Mammoth road, Candia road, Highland Park avenue, Glenwood avenue, Mammoth road, and Lake avenue to Route No. 13.

Route No. 50 is collected Mondays and Thursdays and comprises the section in which the stores are located around Massabesic and Spruce streets.

Route No. 52 is collected Mondays.

Route No. 47 is collected Tuesdays.

Route No. 51 is collected Wednesdays.

Route No. 48 is collected Thursdays.

Route No. 53 is collected Fridays.

Route No. 49 is collected Saturdays.

The average work requires the services of one two-horse team and two helpers.

Routes Nos. 31 to 46, inclusive, comprise West Manchester.

Route No. 39 is collected Mondays.

Route No. 42 is collected Tuesdays.

Routes No. 44 and No. 46 are collected Wednesdays.

Route No. 45 is collected Thursdays.

Route No. 41 is collected Fridays.

Route No. 43 is collected Saturdays.

Route No. 40 is collected every day.

The average work requires one one-horse team and one helper, also one one-horse team and one helper one half of each day.

Route No. 34 is collected Mondays.

Route No. 36 is collected Tuesdays.

Routes No. 32 and No. 33 are collected Wednesdays.

Routes No. 37 and No. 38 are collected Thursdays.

Route No. 31 is collected Fridays.

Route No. 35 is collected Saturdays.

The average work requires one one-horse team and one helper, also one one-horse team and one helper one half of each day.

The great bulk of the collections are hauled and dumped into the Putnam-street dump and the Wentworth-street dump. During the winter months the Sagamore-street dump was used.

A contract was let to W. H. Bickford in 1906 for the collection, removal and disposal of garbage for \$160.22 per month.

Board of Street and Park Commissioners in Account with the Appropriation for Street Sweeping.

By supplies:

H. Thompson, push brooms.....	\$19.50	
J. H. Strain Co., Barnard Castle street scraper	343.20	
Harold L. Bond Co., push brooms.....	13.00	
John B. Varick Co., ash cans.....	3.50	
George P. Ames, overalls and jumpers...	14.00	
		\$393.20

By repairs:

H. Thompson, refilling sweepers.....	\$48.50	
Harold L. Bond, refilling sweeper.....	15.00	
The S. P. Dodge Co., repairs on wheel...	5.75	
		\$69.25

By freight:

Boston & Maine Railroad.....		\$7.30
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By labor:

Payroll Division No. 2.....	\$4,586.91	
Payroll Division No. 10.....	308.90	
		\$4,895.81

To appropriation for street sweeping..... \$6,000.00

By balance unexpended..... 634.44

\$6,000.00 \$6,000.00

ITEMIZED OPERATIONS.

Route.	Location.	Limits.	Pavement.	Square yards.
1	Elm.....	Orange to Lowell.....	*Granite block.....	6,140
2	Elm.....	Lowell to Hanover.....	*Granite block.....	6,220
3	Elm.....	Hanover to Central.....	*Granite block.....	8,050
4	West Merrimack.....	Elm to Franklin.....	Tar concrete.....	1,410
4	Elm.....	Central to Auburn.....	*Granite block.....	8,160
5	Chestnut.....	Lowell to Hanover.....	Tar concrete.....	4,190
	Concord.....	Vine to Elm.....	Tar concrete.....	2,940
6	Manchester.....	Elm to Chestnut.....	†Tar concrete.....	2,155
	Merrimack.....	Elm to Chestnut.....	Tar concrete.....	2,155
	Chestnut.....	Manchester to Merrim'ck	Tar concrete.....	930
7	Hanover.....	Elm to Pine.....	Tar concrete.....	3,860
	Chestnut.....	Hanover to Manchester..	Tar concrete.....	825
8	Granite.....	B. & M. R. R. to Turner..	†Granite block.....	5,250
				52,285

* Cement grout joints.

† Street railway track paved.

‡ Part sand joints, part cement joints.

Each of the eight routes above listed were patrolled by one man and pick up cart daily, excepting Sundays, holidays, and very stormy days,

through the months of April to December 14, inclusive. The routes are not swept entirely but are patrolled, all litter, dirt, droppings and paper are picked up and removed.

Total square yards covered, 52,285; cost of labor for season, \$2,625.42; average cost per square yard for the season, five cents (\$.05).

Hampshire Lane from West Cedar to Water streets and Nutfield lane, Church street and North Church street to Pearl south back street were patrolled by two men, the sweepings were not picked up, but were swept in piles and left for the scavenger teams. The work was begun in May and ended in December.

Total square yards patrolled, 6,500 (mostly stone block paving, sand joints); the cost of this work for the season was \$436.78; the average cost per square yard for the season was .067c.

One man patrolled the section between Auburn, Elm, Merrimack, and Union streets, picking up paper at an expense of \$251.89.

All paved streets were swept by machine on an average of once each week during the season.

Board of Street and Park Commissioners in Account with the Appropriation for Bridges.

By repairs of bridges:

Elm street, bridge at Boston & Maine R. R., J. H. Mendell Co.....	\$2,729.89	
West Bridge street, upper canal bridge, J. H. Mendell Co.....	233.98	
McGregor bridge, east end, J. H. Mendell Co.	1,428.61	
South pier, east end, McGregor bridge, Amoskeag Mfg. Co.....	47.75	
Heating stone, tar, etc., McGregor bridge, Robie Consolidated Concrete Co.	10.00	
		\$4,450.23

By lumber:

Head & Dowst Co.....	\$156.41	
Fellows, Clarke & Co.....	596.14	
		\$752.55

By broken stone:

Winchester Stone Co., 64.27 tons No. 2 @ \$1.24	\$79.69	
To discount	1.60	
		\$78.09

By cement (Henry W. Parker):

1,502 (cotton) bags Atlas @ 56¾c.....	\$852.39	
300 (paper) bags Atlas @ 50½c.....	151.50	
	\$1,003.89	
To discount	10.04	
		\$993.85

By paint (E. De F. Wilkinson Co.):	
152 gallons Elateroid Coating @ \$1.50 per gal.....	\$228.00
By supplies:	
John B. Varick Co. (nails, paint, etc.)..	\$67.74
Manchester Hardware Co.....	.70
The George W. Dodge Shoe Co. (6 prs. rubber boots)	21.00
	<hr/>
	\$89.44
By freight:	
Boston & Maine Railroad.....	\$173.25
By sidewalk repairs (Granite Bridge, Table No. 4, Engineer's Department Report):	
Robie Consolidated Concrete Co.....	\$108.18
By steam boiler insurance:	
Hartford Steam Boiler Inspection Insurance Co....	\$30.00
By trucking ladders (Second street bridge):	
C. O. Polsen.....	\$3.25
By contracts and bills (incurred previous to 1907):	
Cavanaugh Brothers.....	\$156.50
Henry W. Parker.....	340.50
Fellows, Clarke Co.....	210.86
	<hr/>
	\$707.86
By labor:	
Payroll Division No. 2.....	\$959.35
Payroll Division No. 5.....	43.50
Payroll Division No. 7.....	24.75
Payroll Division No. 10.....	321.47
	<hr/>
	\$1,349.07
	<hr/>
	\$8,963.77
To appropriation for bridges.....	\$7,000.00
sundry persons (February 6, 1907).....	321.65
Mack Brothers (empty cement bags)....	15.00
F. Charron (10 bbls. Atlas cement).....	22.50
H. W. Parker (1887 empty cement bags)	141.53
overdraft	1,463.09
	<hr/>
	\$8,963.77

ITEMIZED OPERATIONS.

SECOND STREET BRIDGE, OVER PISCATAQUOG RIVER.

Both bridges were scraped and all upper works painted two coats (black), and all iron underneath roadways and sidewalks one coat (black).

To paint, 152 gallons.....	\$228.00
brushes and supplies	4.80
trucking	3.25
labor	297.22
	<hr/>
	\$553.27

ELM STREET BRIDGE, OVER BOSTON & MAINE RAILROAD.

The roadway planking was taken up, the intention being to replank the same; the floor stringers and both ends of the easterly truss were found to be decayed and in a dangerous condition. A contract based on actual cost plus fixed per cent profit was let to the J. H. Mendell Company to repair the bridge.

To the J. H. Mendell Company (as per contract)..... \$2,729.89

WEST BRIDGE STREET BRIDGE, OVER UPPER CANAL.

The roadway (double planking) was renewed by the J. H. Mendell Company as per contract. The contractor removed the old planking from the bridge (the old was hauled to the Wilson Hill crusher to be burned in the boiler), the new plank furnished, delivered on the work and laid for eighteen cents (\$0.18) per superficial square foot of roadway surface.

To 1,285.59 sq. ft. of roadway surface @ 18c. per sq. ft. \$233.98

MCGREGOR BRIDGE, EAST END WESTERLY 362.4 FEET.

This section of roadway was covered with two inches of tar concrete. The concrete was continually disintegrating in patches, and in all cases both courses of planking were found to be rotten.

The contract with the J. H. Mendell Company for replanking the canal bridge covered any work called for on the McGregor bridge.

To 7,729 sq. ft. roadway planking @ 18c. per sq. ft. \$1,391.22

451.41 sq. ft. roadway planking (single) @ 9c per sq.
ft. 37.39

2,055 superficial square feet of roadway planking was
laid by the city.

labor 104.81

plank and material..... 277.42

The southerly pier of the easterly abutment was strengthened and encased in concrete (done by the Amoskeag Mfg. Co.)..... 47.75

The northerly side of the roadway about ten feet wide and three hundred and sixty feet in length from the easterly end was covered with a thick coat of tarvia and then with pea size trap rock; the stone and tarvia was taken from stock on hand.

Cost of heating stone and tarvia..... 10.00

About 66,000 feet (b. m.) of old plank (removed from the canal and McGregor bridges) was hauled to the Wilson Hill crusher, and about 9,784 square feet of tar concrete (about 75 cubic yards) was removed from the McGregor bridge and hauled to Lafayette Park for filling

304.67

\$1,868.59

The condition of the roadway of the McGregor bridge was such that repairs were frequently necessary.

AMOSKEAG BRIDGE.

A section at the easterly end of this bridge was replanked and some of the floor stringers renewed. The windbreak was constructed and erected in the early part of the year and taken down in the month of April and again put in place in November.

BROWN AVENUE BRIDGE, OVER COHAS BROOK.

This bridge was replanked.

GRANITE BRIDGE.

The northerly sidewalk was recovered its entire length. The windbreak was taken down in the early part of May and put up again in November.

GENERAL REPAIRS.

General repairs were made on stone and pipe culverts where necessary.

Board of Street and Park Commissioners in Account with the Appropriation for City Teams.

By feed:

Arthur S. Brown, corn, oats, etc.....	\$3,153.91	
Gage & McDougal, oats, etc.....	60.60	
Ame & Co., standard food, etc.....	65.00	
D. Hammond & Son, carrots.....	28.09	
Henry W. Parker, salt.....	2.15	
		<hr/>
		\$3,309.75

By supplies:

John B. Varick Co., iron, paints, etc.....	\$485.80	
Kimball Carriage Co., sundries.....	4.25	
Ranno Saddlery Co., checks.....	2.25	
Willard W. Morrison, metal polish.....	2.50	
Wiggin, Young So., kerosene oil.....	11.00	
C. D. Steele Co., soap, etc.....	3.80	
Henry W. Parker, gold dust.....	1.20	
		<hr/>
		\$510.80

By repairs:

Oliver Comire, repairing harnesses, etc..	\$142.70	
Joseph Vogel Co., repairing harnesses, etc.	85.55	
The S. P. Dodge Co., repairing wagons, etc.	47.35	
Pike & Heald Co., repairing piping, etc..	5.15	
		<hr/>
		\$280.75

By lumber and labor:

The Head & Dowst Co.....	\$84.40
The J. H. Mendell Co.....	16.80
West Side Lumber Co.....	7.06

\$108.26

By veterinary services:

C. M. Bailey, D. V. S.....	\$67.00
A. L. Dodge.....	6.00
H. B. Dunton, D. V. S.....	2.00

\$75.00

By medicines, etc.:

John L. Golden.....	\$8.00
G. W. O. Tebbetts.....	1.40
Andrew Leckie	1.72
Adams Bros.	1.70
F. K. Hubbard	12.00

\$24.82

By lights, fuel, water and ice:

People's Gas Light Co., gas.....	\$139.72
L. B. Bodwell & Co., 2.25 tons Cumber- land coal @ \$6.....	13.50
L. B. Bodwell & Co., 1.81 tons Cumber- land coal @ \$6.50.....	11.77
Moore & Preston Coal Co., ½ ton Cum- berland coal @ \$6.....	3.00
Moore & Preston Coal Co., 10.93 tons egg coal @ \$7.45.....	81.42
Charles Boisclair, 2 tons egg coal @ \$7.80	15.60
L. B. Bodwell & Co., ice.....	2.46
Board of Water Commissioners, water for stable, Division No. 2.....	62.00
Board of Water Commissioners, water for stable, Division No. 10.....	52.50

\$381.97

By miscellaneous:

Gilbert Lyons, weighing oats.....	\$7.10
Committee on city farm, renting portion of city farm.....	30.00
N. E. Tel. & Tel. Co., telephones.....	4.93

\$42.03

By contracts and bills (incurred previous to 1907):

Kimball Carriage Co., supplies.....	\$45.35
The S. P. Dodge Co., repairs on wagons..	97.15
Oliver Comire, repairing harnesses.....	17.70
The J. H. Mendell Co., lumber and labor	178.97
The Head & Dowst Co., lumber and labor	7.97
A. S. Brown, corn, oats, etc.....	330.85
John B. Varick Co., supplies.....	69.02

Wiggin, Young Co., kerosene oil.....	\$1.36	
People's Gas Light Co., Puritan hot plates	2.50	
W. B. Mitchell, liniment.....	1.28	
		<hr/>
		\$752.15
By labor:		
Payroll Division No. 2.....	\$5,108.51	
Payroll Division No. 8.....	545.75	
Payroll Division No. 10.....	458.61	
		<hr/>
		\$6,112.87
		<hr/>
		\$11,598.40
To appropriation for city teams.....	\$8,000.00	
overdraft	3,598.40	
		<hr/>
	\$11,598.40	\$11,598.40

The city yard or stable at Depot and Franklin streets is maintained at the expense of city teams. This expense includes stableman, helper, night watchman, blacksmith, helper and repair shop foreman. Twenty city horses were kept at this stable and two for the superintendent of streets. At the West Side stable three city horses were kept and two for the superintendent (West Side). Two city horses are kept by superintendent of parks and commons at a private stable.

Board of Street and Park Commissioners in Account with the Appropriation for Repairs of Sewers.

By brick, lime, and lumber:

W. F. Head & Sons, 15,948 brick @ \$8.50 per M	\$135.55	
Discount 1%	1.36	
		<hr/>
		\$134.19
W. F. Head & Sons, 18,999 brick @ \$8.50 per M.	\$161.49	
Credit by freight.....	20.00	
		<hr/>
	\$141.49	
Discount 1%	1.41	
		<hr/>
		\$140.08
The Head & Dowst Co., 2,000 brick @ \$10.50 per M..		\$21.00
The Head & Dowst Co., 4,104 ft. fence boards	\$102.60	
The Head & Dowst Co., 8,393 ft. plank..	207.33	
		<hr/>
	\$309.93	
Discount 1%	3.10	
		<hr/>
		\$306.83
Henry W. Parker, 1 bbl. lime.....		\$1.10

By catch-basin curbs:

Chas. A. Bailey, 23 curbs @ \$3.00.....	\$69.00	
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By castings:

Concord Foundry & Machine Co., cesspool grates, manhole frames and covers, etc.	\$890.00	
Discount one half of 1%.....	4.45	

 \$885.55

Labor and stock in patterns.....	\$5.80	
Grate for trench machine.....	8.79	

 \$14.59

Credit by freight.....	2.50	
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 \$12.09

By supplies:

J. B. Varick Co., shovels, trowels, dynamite	\$50.95	
The G. W. Dodge Shoe Co., rubber boots	14.00	

 \$64.95

By freight:

Boston & Maine Railroad.....		\$38.75
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By contracts and bills (incurred previous to 1907):

Charles A. Bailey, cesspool curbs.....	\$347.90	
Concord Foundry & Machine Co., castings	33.36	
The G. W. Dodge Shoe Co., rubber boots	65.36	
Manchester Supply Co.....	10.25	

 \$456.87

By labor:

Payroll Division No. 2.....	\$2,328.99	
Payroll Division No. 7.....	291.09	
Payroll Division No. 10.....	1,301.45	

 \$3,921.53

 \$6,051.94

To appropriation for repairs of sewers.....

Peter Riley, old iron.....	33.95	
Manchester Street Railway, labor and material building cesspool.....	36.72	
H. O. Chase, cesspool grates.....	10.98	
A. G. Straw, labor pumping out cellar at Central block	1.68	
W. H. McElwain Co., labor flushing out sewer at Hall and Valley streets.....	6.75	
Valley cemetery, manhole frame and cover	5.35	
People's Gas Light Co., labor and material building gas wells.....	67.61	
Manchester Supply Co., 1 cesspool grate	2.24	

John Flanders, labor and material connecting with sewer.....	\$28.47	
Manchester & Nashua Street Railway, 1 cesspool grate	2.85	
By balance unexpended		\$2,144.66
	<hr/>	<hr/>
	\$8,196.60	\$8,196.60

ITEMIZED OPERATIONS.
NEW CESSPOOLS.

STREET.	Location.	Cost of material.	Labor.	Total cost.
Bowman.....	At Mast (2).....	\$44.37	\$55.25	\$99.62
Dubuque.....	Kelley, southeast corner.....	25.97	38.00	63.97
Granite.....	East of Franklin.....	19.06	28.68	47.74
Hall.....	At Wilson.....	39.54	23.75	63.29
Hampshire lane.....	Between Mechanic and Water.....	27.12	15.73	42.85
Kelley.....	Dubuque east back, southwest corner.....	23.43	24.00	47.43
Main.....	Marion, northeast corner.....	20.81	18.50	39.31
Mast.....	At Bowman (2).....	43.06	32.60	75.66
".....	Opposite No. 300.....	22.38	32.50	54.88
".....	East of North Church.....	25.99	38.27	64.26
Myrtle, west side.....	At McGregor.....	21.77	14.50	36.27
Nicolet lane.....	Between Central and Central south back.....	27.70	13.38	41.08
Pine, east side.....	North of Lake avenue.....	27.72	21.78	49.50
".....	Between Lake avenue and Spruce.....	24.92	15.54	40.46
".....	North of Spruce.....	24.92	18.37	43.29
Pine, west side.....	At Spruce.....	27.82	19.15	46.97
River road, west side.....	South of West Clarke.....	39.31	48.67	87.98
Somerville.....	Between Hall and Belmont.....	23.27	10.50	33.77
Thornorton.....	At Wayne.....	26.18	26.80	52.98
Union.....	Londonderry lane, southeast corner.....	20.89	9.62	30.51
".....	" " southwest corner.....	21.43	15.29	36.72
".....	Monsiecock lane, northwest corner.....	20.89	11.62	32.51
" west side.....	North of Merrimack south back.....	28.78	18.24	47.02
".....	Laurel south back, southeast corner.....	11.84	9.99	21.83
".....	Central south back, northeast corner.....	9.99	6.37	16.36
".....	Spruce, northeast corner.....	10.69	11.05	21.74
Wayne.....	At Rimmon.....	24.50	15.75	40.25
West Hancock.....	At Wheelock.....	24.26	24.25	48.51
		\$794.61	\$598.69	\$1,393.30

CESSPOOLS REPAIRED.

STREET.	Location.	Cost of material.	Labor.	Total cost.
Bridgess.	Chestnut, southeast corner	\$0.76	\$5.78	\$6.54
Cedar south back, north side	West of Beech	10.79	9.08	2.98
Franklin	Granite, northeast corner	14.86	5.60	16.39
" west back	West Central to Depot	24.41	19.00	20.94
Hampshire lane.	Granite to West Cedar	28.78	11.48	43.41
"	"		2.16	40.26
Hanover, south side.	Between Beech and Maple	6.24	15.50	2.16
Laurel	Union, northeast corner	7.01	14.39	21.74
Laurel, south side	East of Wilson.	1.52	7.38	14.39
Malvern, east side	North of Concord.	1.52	5.02	6.51
" west side	"		4.94	6.46
Manchester, north side	West of Wilson.	18.79	14.28	33.07
Monadnock lane.	Nutfield lane, southeast corner	16.55	6.07	22.62
Pine, east side	North of Central south back	12.31	10.88	23.19
" west side	Between Central and Central south back	24.47	15.00	39.47
"	North of Lake avenue	25.65	12.64	38.19
"	At Park Common.	24.11	8.65	32.76
Pine	Cedar, northeast corner	.94	4.04	4.98
Riddle	At Mast (2).	25.58	28.50	54.08
"	At Mast (3)	37.53	36.25	74.08
Union.	Hanover, southwest corner	10.79	6.47	17.26
"	southeast corner	8.43	2.74	11.17
"	Monadnock lane, northeast corner.	10.01	7.83	17.84
" west side	Merrimack, northwest corner.	8.84	3.61	12.45
" east side	North of Laurel	23.46	16.96	40.42
"	Laurel south back, northeast corner	29.34	6.83	36.66
"	Central, northeast corner	10.42	7.23	17.65
"	southeast corner		2.79	2.79
"	south back, southeast corner	4.21	6.37	10.58
"	Lake avenue south back, northeast corner	4.21	6.37	10.58
Wayne	At Notre Dame avenue (2)	3.84	6.37	10.21
Winter	At South Main	9.07	13.50	22.57
		9.89	16.50	26.39
		\$415.03	\$325.79	\$740.82

MANHOLES.

STREET.	Location.	Cost of material.	Labor.	Total cost.
* Hampshire lane.....	Between Mechanic and Water.....	\$ 27.11	\$ 4.81	\$ 31.92
† Lake avenue.....	At Pine.....	21.02	10.70	31.72
† Mast.....	.....	8.78	12.50	21.28
† Mast.....	At Bowman (2).....	65.29	57.50	122.79
† Union.....	At Monadnock lane.....	32.88	32.31	65.19
* West Central.....	Between Elm and Hampshire lane (2).....	2.08	2.08	4.16
		\$157.16	\$119.90	\$277.06

* Raising manhole to grade.

† New manhole.

† Repairing manhole.

REPAIRING SEWERS.

STREET.	Location.	Cost of material.	Labor.	Total cost.
Barry avenue.....	Lake avenue to Spruce.....	.....	\$ 16.25	\$ 16.25
Laurel.....	At Pine.....	3.06	14.67	17.73
Londonderry lane.....	Union, easterly.....	40.07	60.82	100.89
Mast.....	U. S. Robbin & Shuttle company's yard.....	7.46	22.50	29.96
Monadnock lane.....	East of Nutfield lane.....	.....	17.42	17.42
Nutfield lane.....	Derryfield lane, northerly.....	5.00	18.06	23.06
Nutfield lane.....	Between Amherst and Concord.....	.....	5.50	5.50
Third.....	Ferry to Bath.....	45.48	186.50	231.98
		\$101.07	\$342.52	\$543.39

MISCELLANEOUS REPAIRS.

STREET.	Nature of Work.	Cost of material.	Labor.	Total cost.
Division No. 2.....	Cleaning cesspools.....	.....	\$1033.14	.....
Division No. 7.....	Cleaning cesspools.....	.....	241.05	.....
Division No. 10.....	Cleaning cesspools.....	.....	597.45	.....
Division No. 2.....	Flushing sewers.....	.....	103.64	.....
Division No. 10.....	Flushing sewers.....	.....	48.50	.....
Division No. 2.....	Miscellaneous repairs.....	.....	467.87	.....
Elm street.....	Cleaning around cesspools.....	.....	15.12	.....
Pine street, south of Central.....	Laying surface pipe.....	\$21.09	14.33	.....
		\$21.09	\$2521.10	\$2542.19

Board of Street and Park Commissioners in Account with the Appropriation for New Sewers.

By sewer pipe, Pike & Heald Co.:

477	feet of 27"	.....	\$831.17
392	" " 24"	.....	420.42
977½	" " 22"	.....	887.09
934	" " 20"	.....	693.48
666	" " 18"	.....	383.83
3,337	" " 12"	.....	800.88
2,680	" " 10"	.....	482.40
2,095	" " 8"	.....	251.40
44	" " 6"	.....	4.62

11,602½ feet.

\$4,755.29

68 6"	on 12" Ys.....	\$73.44
107 6"	on 10" Ys.....	87.32
49 6"	on 8" Ys.....	26.46
24 8"	on 10" Ys.....	19.58
24 8"	on 8" Ys.....	12.96
15 6"	on 12" Ts.....	16.20
25 6"	on 10" Ts.....	20.40
6 8"	on 8" Ts.....	3.24
10 12"	curves.....	9.60
10 10"	bends.....	7.20
11 8"	bends.....	5.28

\$281.68

\$5,036.97

Demurrage	\$352.00
Discount for cash, 5 days.....	93.53

\$445.53

\$4,591.44

117 ft. 18" pipe, damaged.....	\$10.00
4 ft. 3" drain tile.....	.13

\$10.13

By brick:

W. F. Head & Son, 85,725 brick @ \$8.50..	\$728.67
Cr. by freight paid	\$104.00
discount for cash, 5 days	5.99
	109.99

\$618.68

By cement, Henry W. Parker:

600 bags Norton @ 41⅓c.....	\$248.00
Discount for cash, 5 days.....	2.48

\$245.52

By castings, Concord Foundry & Machine Co.:		
Manhole frames and covers.....	\$636.70	
Discount for cash, 5 days.....	3.19	
		<hr/>
		\$633.51
By lumber, labor, etc.:		
The Head & Dowst Co., 15,027 ft. @ \$25 per M	\$375.68	
Discount for cash, 5 days.....	3.76	
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		\$371.92
The Head & Dowst Co., spruce plank....	\$83.11	
The Head & Dowst Co., material and labor on trench machine.....	56.45	
		<hr/>
		\$139.56
The J. H. Mendell Co., material and labor.....		\$359.40
By coal:		
L. B. Bodwell & Co., 4 tons steam @ \$5..	\$20.00	
L. B. Bodwell & Co., 2,635 tons Cumber- land @ \$5.75.....	15.15	
L. B. Bodwell & Co., 1 ton Cumberland @ \$6	6.00	
J. P. Russell, 23.5 tons steam @ \$5.50...	129.25	
		<hr/>
		\$170.40
By oil:		
Arthur A. Warren, 600 gals. kerosene @ 10c.	\$60.00	
Wiggin, Young Co., 50 gals. kerosene @ 11c.	5.50	
		<hr/>
		\$65.50
By repairs and attachments to steam drill:		
Ingersoll-Rand Co.		\$95.00
By supplies:		
John B. Varick Co., dynamite.....	\$310.18	
John B. Varick Co., lantern globes, etc.	21.90	
John B. Varick Co., miscellaneous sup- plies	192.26	
George W. Dodge Shoe Co., 11 pair rub- ber boots	35.75	
Henry W. Parker, oatmeal, etc.....	11.22	
Manchester Traction, Light & Power Co., poles for trench machine.....	20.50	
George M. French, 20 poles.....	5.00	
Pike & Heald Co., steam fittings.....	7.59	
		<hr/>
		\$604.40
By repairs:		
Drew Machinery Agency.....	\$1.60	
J. J. Abbott, glass and setting.....	5.05	
		<hr/>
		\$6.65

By freight, etc.:

Boston & Maine Railroad.....	\$111.14
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By miscellaneous items:

Hartford Steam Boiler Inspection & Insurance Co., insurance on boilers.....	\$51.58
Denis Murphy, bonus building manholes	12.50
Timothy Connor, bonus building manholes	12.50
	<hr/>
	\$76.58

By contracts and bills (incurred previous to 1907):

L. B. Bodwell & Co., coal.....	\$38.86
The J. H. Mendell Co., sewer pipe.....	423.06
Pike & Heald Co., sewer pipe.....	67.00
Concord Foundry & Machine Co., patterns, etc.	12.65
	<hr/>
	\$542.17

By labor:

Payroll Division No. 2.....	\$13,499.03
Payroll Division No. 7.....	1,278.95
Payroll Division No. 10.....	2,387.20
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	\$17,165.18

\$25,807.18

To appropriation for new sewers.....

Henry Gorman (new sewer pipe).....	\$30,000.00
George Knoettner (new sewer pipe)....	19.50
George Knoettner (new sewer pipe)....	16.25
George Knoettner (new sewer pipe)....	1.60
Town of Auburn, N. H. (2 cesspool grates)	5.61
Stanley K. Lovell (1 cesspool stone)....	1.00
S. Hebert (1 6 x 12 Y).....	1.35
A. M. Green (new sewer pipe).....	3.25
Adams Bros. (new sewer pipe).....	23.20
Adams Bros. (new sewer pipe).....	22.20
Adams Bros (new sewer pipe).....	6.38
School board of town of Bedford, N. H. (new sewer pipe).....	10.20
Frank Battey (new sewer pipe).....	1.85
Jos. Bobeck (new sewer pipe).....	1.85
The Head & Dowst Co. (new sewer pipe)	2.85
The J. H. Mendell Co. (new sewer pipe)	3.92
Manchester Supply Co. (new sewer pipe)	9.81
Pike & Heald Co. (new sewer pipe)....	19.28
Martin O'Brien (new sewer pipe).....	2.45
J. B. Varick Co. (new sewer pipe).....	12.35
Pike & Heald Co. (new sewer pipe)....	17.40
Thomas Robinson (new sewer pipe)....	10.50

To Pine Grove cemetery (new sewer pipe)..	\$22.77	
Pine Grove cemetery (labor laying pipe, building manholes, etc.).....	312.39	
People's Gas Light Co., ($\frac{1}{3}$ cost of Bay street sewer, labor and material).....	326.26	
By balance unexpended		5,057.18
	<hr/>	<hr/>
	\$30,864.36	\$30,864.36

SEWER PIPE AND SPECIALS.
PURCHASE AND INSPECTION TABLE AS PER CONTRACT.

PIPE.	Shipped.		Accepted.		Value.	Rejected.		Value.	Per cent. breakage.
	Feet.	Number.	Feet.	Number.		Feet.	Number.		
8 inch.	2146	.....	2095	.....	\$ 251.40	51	.....	\$ 6.12	.024
6x8 V's. ....	.....	51	.....	49	26.46	.....	2	1.08	.039
8x8 V's. ....	.....	24	.....	24	12.96	.....	.....	.....	.....
8x8 T's. ....	.....	6	.....	6	3.24	.....	.....	.....	.....
8 inch bends. ....	.....	11	.....	11	5.28	.....	.....	.....	.....
10 inch.	2814	.....	2680	.....	482.40	134	.....	24.12	.047
6x10 V's. ....	.....	108	.....	107	87.51	.....	.....	.82	.009
6x10 T's. ....	.....	25	.....	25	20.40	.....	1	.....	.....
8x10 V's. ....	.....	24	.....	24	19.58	.....	.....	.....	.....
10 inch bends. ....	.....	10	.....	10	7.20	.....	.....	.....	.....
12 inch.	3516	.....	3337	.....	800.88	179	.....	42.96	.05
6x12 V's. ....	.....	69	.....	68	73.44	.....	.....	.....	.014
6x12 T's. ....	.....	15	.....	15	16.20	.....	1	1.08	.....
12 inch curves. ....	.....	10	.....	10	9.60	.....	.....	.....	.....
18 inch.	595	.....	466	.....	261.43	129	.....	72.37	.22
18 inch.	230	.....	200	.....	122.40	30	.....	18.36	.13
20 inch.	968	.....	934	.....	693.50	34	.....	25.34	.036
22 inch.	1122.5	.....	977.5	.....	887.08	145	.....	131.59	.129
24 inch.	400	.....	392	.....	420.42	8	.....	8.58	.02
27 inch.	507	.....	477	.....	831.17	30	.....	52.28	.059
.....	12298.5	353	11558.5	349	\$5032.35	740	4	\$384.60	.0764

Per cent breakage represents the per cent broken in value (not list price).

Cost of labor unloading pipe and specials.....	\$223.04
Cost of teams unloading pipe and specials.....	120.86
Cost of inspection	75.00

\$418.90

Number of cars of pipe and specials, 25.

Average cost per car for unloading, inspection, etc., \$16.75.

ITEMIZED OPERATIONS.

(See Engineer's Department Report, Table No. 22.)

AMHERST STREET—Beacon Street to Hubbard Street.

317 feet of 10-inch Portland @ 18c.....	\$57.06	
10 6-inch on 10-inch Ys @ .816c.....	8.16	
	<hr/>	\$65.22

HUBBARD STREET—Amherst Street Northerly.

95 feet of 10-inch Portland @ 18c.....	\$17.10	
4 6-inch on 10-inch Ys @ .816c.....	3.26	
	<hr/>	\$20.36
3 manholes, 3,150 brick @ \$7.42 per M...	\$23.37	
3 manhole castings @ \$14.80.....	44.40	
12 manhole steps @ 25c.....	3.00	
9 bags Norton Cement @ 41 $\frac{1}{3}$ c.....	3.72	
	<hr/>	\$74.49
11 bags Portland cement @ 56 $\frac{3}{4}$ c.....		\$6.24
Labor of men.....	\$396.33	
Labor of teams.....	20.00	
	<hr/>	\$416.33
		<hr/>
		\$582.64

Length of sewer, both streets, 440 feet.

Average cut, 8.5 feet.

Cost per foot, \$1.324.

Began August 22, finished August 30.

Nature of excavation, gravel.

BAY STREET—North of Clarke Northerly.

215 feet of 10-inch Portland @ 18c.....	\$38.70	
6 6-inch on 10-inch Ys @ .816c.....	4.90	
	<hr/>	\$43.60

235 lbs. 75% dynamite @ 27c.....	\$63.45	
75 lbs. 60% dynamite @ 23c.....	17.25	
200 8-foot double exploders @ \$4.35.....	8.70	
100 6-foot double exploders @ \$3.82.....	3.82	
Blasting poles.....	1.00	
		<hr/>
		\$94.22
Coal used (charged to new sewers).....	\$21.15	
Coal used (paid for out of repairs of high-ways)	43.85	
		<hr/>
		\$65.00
1 manhole, 900 brick @ \$7.42 per M.....	\$6.68	
1 manhole casting	14.80	
4 manhole steps @ 25c.....	1.00	
4 bags Norton cement @ 41 $\frac{1}{3}$ c.....	1.65	
		<hr/>
		\$21.13
5 bags Portland cement @ 56 $\frac{3}{4}$ c.....		\$2.84
Labor of men	\$898.22	
Labor of teams.....	214.11	
		<hr/>
		\$1,112.33
		<hr/>
		\$1,340.41

Length of sewer, 227 feet.

Average cut, 8 feet.

Cost per foot, \$5.912.

Began August 29, finished November 21.

Nature of excavation, gravel and ledge.

BEECH STREET—Somerville Street Southerly.

413 feet of 12-inch Portland @ 24c.....	\$99.12	
16 6-inch on 12-inch Ys @ \$1.08.....	17.28	
1 8-inch on 12-inch Y @ \$1.08.....	1.08	
6 feet 8-inch pipe (leaders).....	.72	
		<hr/>
		\$118.20
1 manhole, 1,600 brick @ \$7.42.....	\$11.88	
1 manhole casting	14.80	
1 manhole step .....	.25	
5 bags Norton cement @ 41 $\frac{1}{3}$ c.....	2.07	
		<hr/>
		\$29.00
23 $\frac{1}{2}$ tons steam coal @ \$5.50.....		\$129.25
11 bags Portland cement @ 56 $\frac{3}{4}$ c.....	\$6.24	
Blasting poles	3.00	
175 lbs. 60% dynamite @ 23c.....	40.25	
250 lbs. 75% dynamite @ 27c.....	67.50	
400 8-foot double exploders @ \$4.35.....	17.40	
50-6-foot double exploders @ \$4.30.....	2.15	
		<hr/>
		\$136.54

Labor of men.....	\$2,092.57	
Labor of teams.....	261.31	
	<hr/>	\$2,353.88
		<hr/>
		\$2,666.87

Length of sewer, 447 feet.

Average cut, 8 feet.

Cost per foot, \$5.966.

Began August 16, finished January 15, 1908.

Nature of excavation, ledge.

BREMER NORTH BACK STREET—Rimmon Street Easterly.

90 feet of 10-inch Portland @ 18c.....	\$16.20	
2 6-inch on 10-inch Ys @ .816c.....	1.63	
	<hr/>	\$17.83
1 manhole, 1,200 brick @ \$7.42 per M....	\$8.90	
1 manhole casting	14.80	
4 manhole steps @ 25c.....	1.00	
4 bags Norton cement @ 41½c.....	1.65	
	<hr/>	\$26.35
3 bags Portland cement @ 56¾c.....		\$1.70
Labor of men.....	\$131.75	
Labor of teams.....	11.25	
	<hr/>	\$143.00
		<hr/>
		\$188.88

Length of sewer, 94 feet.

Average cut, 9.5 feet.

Cost per foot, \$2.01.

Began May 21, finished June 17.

Nature of excavation, sand and clay.

BROOK STREET—Maple Street Easterly.

144 feet of 8-inch Portland @ 12c.....	\$17.28	
6 6-inch on 8-inch Ys @ 54c.....	3.24	
1 8-inch on 8-inch Y @ 54c.....	.54	
	<hr/>	\$21.06
8 feet 8-inch Portland @ 12c.....		\$0.96

MAPLE STREET—Brook Street Northerly.

63 feet of 10-inch Portland @ 18c.....	\$11.34	
1 manhole, 1,000 brick @ \$7.42.....	7.42	
1 manhole casting	14.80	
4 manhole steps @ 25c.....	1.00	
3 bags Norton cement @ 41½c.....	1.24	
	<hr/>	\$24.56
5 bags Portland cement @ 56¾c.....	\$2.84	
Labor of men.....	160.49	
Labor of teams.....	3.50	
	<hr/>	\$163.99
		<hr/>
		\$224.65

Length of sewer, both streets, 221 feet.

Average cut, 7.5 feet.

Cost per foot, \$1,016.

Began July 19, finished August 2.

Nature of excavation, gravel.

CANAL STREET—West Bridge Street to Merrimack South Back Street.

465 feet of 27-inch Portland @ \$1.74 $\frac{1}{4}$	\$810.26	
216 feet of 24-inch Portland @ \$1.07 $\frac{1}{4}$	231.66	
314 feet of 22-inch Portland @ \$0.90 $\frac{3}{4}$	284.96	
273 feet of 20-inch Portland @ \$0.74 $\frac{1}{4}$	202.70	
394 feet of 18-inch Portland @ \$0.56.....	221.03	
269 feet of 15-inch Portland @ \$0.32 $\frac{1}{2}$	87.16	
140 feet of 12-inch Portland @ \$0.24.....	33.60	
99 feet of 10-inch Portland @ \$0.18.....	17.82	
2 6-inch on 10-inch Ys @ \$0.816.....	1.63	
		<hr/>
		\$1,890.82
16 manholes, 16,000 brick @ \$7.42.....	\$118.72	
16 manhole castings @ \$14.80.....	236.80	
64 manhole steps @ 25c.....	16.00	
		<hr/>
		\$391.36
48 bags Portland cement @ 56 $\frac{3}{4}$ c.....		\$51.07
Labor of men.....	\$4,030.35	
Labor of teams.....	212.00	
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		\$4,242.35
		<hr/>
		\$6,575.60

Length of sewer (bottom), 2,071 feet.

Cost per foot, \$3.119.

Length of sewer (top), 103 feet.

Cost per foot, \$1.12.

Average cut, 9 feet.

Began June 10, finished August 15.

Nature of excavation, sand and clay.

CLOUGH AVENUE—Spruce Street Southerly.

194 feet of 10-inch Portland @ 18c.....	\$34.92	
8 6-inch on 10-inch Ys @ \$0.816.....	6.53	
		<hr/>
		\$41.45

SPRUCE STREET—Clough Avenue Westerly.

66 feet of 12-inch Akron @ 24c.....	\$15.84	
4 feet of 12-inch Akron @ 24c.....	.96	
		<hr/>
		\$16.80
1 manhole, 1,000 brick @ \$7.42.....	\$7.42	

1 manhole casting.....	\$14.80	
4 manhole steps @ 25c.....	1.00	
3 bags Norton cement @ 41½c.....	1.24	
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		\$24.46
6 bags Portland cement @ 56¾c.....		\$3.40
Labor of men	\$278.30	
Labor of teams.....	14.62	
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		\$292.92
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		\$379.03

Length of sewer, both streets, 276 feet.

Average cut, 8 feet.

Cost per foot, \$1.373.

Began September 13, finished September 23.

Nature of excavation, sand and gravel.

COOLIDGE AVENUE WEST BACK STREET—North of Bremer Street
Northerly.

50 feet of 10-inch Portland @ 18c.....	\$9.00	
1 6-inch on 10-inch Y.....	.82	
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		\$9.82
2 bags Portland cement @ 56¾c.....		\$1.13
Labor of men.....	\$36.25	
Labor of teams.....	2.25	
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		\$38.50
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		\$49.45

Length of sewer, 52 feet.

Average cut, 6 feet.

Cost per foot, \$0.95.

Began June 18, finished June 19.

Nature of excavation, sand.

HAYWARD STREET—Union Street Easterly.

171 feet of 12-inch Portland @ 24c.....	\$41.04	
6 6-inch on 12-inch Ys @ \$1.08.....	6.48	
1 8-inch on 12-inch Y @ \$1.08.....	1.08	
8 feet of 8-inch Portland @ 12c.....	.96	
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		\$49.56
4 bags Norton cement @ 41½c.....	\$1.65	
50 brick @ \$7.42 per M.....	.37	
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		\$2.02
Labor of men.....	\$108.92	
Labor of teams.....	7.00	
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		\$115.92
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		\$167.50

Length of sewer, 185 feet.
 Average cut, 9 feet.
 Cost per foot, \$0.905.
 Began July 8, finished July 13.
 Nature of excavation, sand.

JONES STREET—Nelson Street Northerly.

251 feet of 10-inch Portland @ 18c.....	\$45.18	
7 6-inch on 10-inch Ys @ \$0.816.....	5.71	
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1 manhole, 1,100 brick @ \$7.42.....	\$8.16	
1 manhole casting.....	14.80	
4 manhole steps @ 25c.....	1.00	
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7 bags Portland cement @ 56 $\frac{3}{4}$ c.....		\$23.96
		\$3.97
Labor of men.....	\$218.21	
Labor of teams.....	6.75	
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		\$224.96
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		\$303.78

Length of sewer, 265 feet.
 Average cut, 7 feet.
 Cost per foot, \$1.146.
 Began September 6, finished September 14.
 Nature of excavation, gravel, boulders, and ledge.

MAPLE STREET—Shasta Street to South of Somerville Street.

228 feet of 18-inch Portland @ \$0.56.....	\$127.91	
244 feet of 15-inch Portland @ \$0.32 $\frac{1}{2}$	79.06	
3 6-inch on 15-inch Ys @ \$1.46 $\frac{1}{2}$	4.39	
326 feet of 12-inch Portland @ \$0.24.....	78.24	
12 6-inch on 12-inch Ys @ \$1.08.....	12.96	
94 feet of 8-inch Portland @ 12c.....	11.28	
6 6-inch on 8-inch Ys @ 54c.....	3.24	
2 feet 12-inch pipe (leader) @ 24c.....	.48	
		<hr/>
3 manholes, 3,600 brick @ \$7.42.....	\$26.70	
3 manhole castings @ \$14.80.....	44.40	
11 bags Norton cement @ 41 $\frac{1}{4}$ c.....	4.55	
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		\$75.65
25 bags Portland cement @ 56 $\frac{3}{4}$ c.....		\$14.19
Labor of men.....	\$796.04	
Labor of teams.....	32.50	
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		\$828.54
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		\$1,235.94

Length of sewer (bottom), 828 feet.
 Cost per foot, \$1.416.
 Length of sewer (top), 106 feet.
 Cost per foot, \$0.60.
 Average cut, 11 feet.
 Began October 7, finished January 2, 1908.
 Nature of excavation, sand.

MONTGOMERY EAST BACK STREET—North of Kelley Northerly.

177 feet of 10-inch Portland @ 18c.....	\$31.86	
9 6-inch on 10-inch Ys @ \$.816.....	7.34	
		\$39.20
8 feet of 8-inch Portland (lamphole) @ 12c.....		\$0.96
8 bags Portland cement @ 56 $\frac{3}{4}$ c.....		\$4.54
Labor of men.....	\$167.00	
Labor of teams.....	9.00	
		\$176.00
		\$220.70

Length of sewer, 195 feet.
 Average cut, 9 feet.
 Cost per foot, \$1.131.
 Began June 7, finished June 16.
 Nature of excavation, sand.

PINE STREET—Spruce Street to North of Lake Avenue.

280 feet of 12-inch Portland @ 24c.....	\$67.20
48 feet of 10-inch Portland @ 18c.....	8.64
7 8-inch on 12-inch Ys @ \$1.08.....	7.56
3 8-inch bends	1.44
1 6-inch on 12-inch Y @ \$1.08.....	1.08
14 feet of 8-inch Akron @ 12c.....	1.68

LAKE AVENUE—Pine Street
 Easterly.

18 feet of 12-inch Portland @ 24c.....	4.32	
		\$91.92
2 manholes, 2,900 brick @ \$.745.....	\$21.52	
3 manhole castings @ \$14.80.....	44.40	
4 manhole steps @ 25c.....	1.00	
9 bags Norton cement @ 41 $\frac{1}{2}$ c.....	3.72	
		\$70.64
9 bags Portland cement @ 56 $\frac{3}{4}$ c.....		\$5.11
Labor of men.....	\$191.31	
Labor of teams.....	11.24	
		\$202.55
		\$370.22

Length of sewer, both streets, 362 feet.

Average cut, 5.5 feet.

Cost per foot, \$1.022.

Began October 15, finished October 18.

Nature of excavation, sand.

PRESCOTT STREET—East of Wilson Street Easterly.

142 feet of 8-inch Portland @ 12c.....	\$17.04	
17 6-inch on 8-inch Ys @ 54c.....	3.78	
		\$20.82
3 bags Norton cement @ 41 $\frac{1}{3}$ c.....		\$1.24
Labor of men	\$99.75	
Labor of teams.....	2.25	
		\$102.00
		\$124.06

Length of sewer, 156 feet.

Average cut, 8.5 feet.

Cost per foot, \$0.795.

Began December 16, finished December 20.

Nature of excavation, gravel.

PROSPECT SOUTH BACK STREET—East of Elm Street Easterly.

51 feet of 15-inch Akron @ 32 $\frac{1}{2}$ c.....		\$16.52
1 manhole, 175 brick @ \$7.42 per M.....	\$1.29	
1 manhole casting	14.80	
$\frac{1}{2}$ bag Norton cement @ 41 $\frac{1}{3}$ c.....	.21	
		\$16.30
1 bag Portland cement @ 56 $\frac{3}{4}$ c.....		\$0.57
Labor of men.....	\$40.13	
Labor of teams.....	6.75	
		\$46.88
		\$63.75

Length of sewer, 51 feet.

Average cut, 11 feet.

Cost per foot, \$1.25.

Nature of excavation, sand.

REED EAST BACK STREET—Kelley Street Southerly.

192 feet of 10-inch Akron @ 18c.....	\$34.56	
6 6-inch on 10-inch Ys @ \$0.816.....	4.90	
8 feet of 8-inch Akron @ 12c. (lamphole)	.96	
182 feet of 8-inch Akron @ 12c.....	21.84	
9 6-inch on 8-inch Ys @ 54c.....	4.86	
2 8-inch elbows @ 48c.....	.96	
		\$68.08

2 manholes, 2,500 brick @ \$7.42 per M..	\$18.55	
2 manhole castings @ \$14.80.....	29.60	
8 manhole steps @ 25c.....	2.00	
6 bags Norton cement @ 41 $\frac{1}{3}$ c.....	2.48	
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10 bags Portland cement @ 56 $\frac{3}{4}$ c.....		\$52.63
		\$5.67
Labor of men.....	\$323.00	
Labor of teams.....	27.00	
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		\$350.00
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		\$476.38

Length of sewer, 404 feet.

Average cut, 9.5 feet.

Cost per foot, \$1.179.

Began June 29, finished July 9.

Nature of excavation, sand.

SHASTA STREET—Willow Street to Maple Street.

644 feet of 22-inch Portland @ 90 $\frac{3}{4}$ c.....	\$584.43	
650 feet of 20-inch Portland @ 74 $\frac{1}{4}$ c.....	482.63	
303 feet of 10-inch Portland @ 18c.....	54.54	
14 6-inch on 10-inch Ys @ \$0.816.....	11.42	
37 feet of 8-inch Portland @ 12c.....	4.44	
4 6-inch on 8-inch Ys @ 54c.....	2.16	
		<hr/>
		\$1,139.62
5 manholes, 7,000 brick @ \$7.42 per M..	\$51.94	
5 manhole castings @ \$14.80.....	74.00	
20 manhole steps @ 25c.....	5.00	
21 bags Norton cement @ 41 $\frac{1}{3}$ c.....	8.68	
		<hr/>
		\$139.62
66 bags Portland cement @ 56 $\frac{3}{4}$ c.....		\$37.45
Labor of men.....	\$1,978.23	
Labor of teams.....	80.37	
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		\$2,058.60
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		\$3,375.29

Length of sewer (bottom), 1,294 feet.

Cost per foot, \$2.405.

Length of sewer (top), 376 feet.

Cost per foot, \$0.70.

Average cut, 14 feet.

Began September 26, finished December 4.

Nature of excavation, sand.

SPRUCE STREET—East of Canton Street Easterly.

227 feet of 10-inch Akron @ 18c.....	\$40.86	
11 6-inch on 10-inch Ys @ \$0.816.....	8.98	
8 feet of 8-inch Akron (lampholes) @ 12c.....	.96	
		<hr/>
		\$50.80

2 manholes, 1,800 brick @ \$7.42.....	\$13.36	
2 manholes castings @ \$14.80.....	29.60	
8 manhole steps @ 25c.....	2.00	
6 bags Norton cement @ 41⅓c.....	2.48	
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		\$17.44
4 tons steam coal @ \$5.00.....		\$20.00
6 bags Portland cement @ 56¾c.....		\$3.40
218 lbs. 75% dynamite @ 27c.....	\$58.86	
100 8-foot double exploders @ \$4.35.....	4.35	
250 6-foot double exploders @ \$3.86.....	9.65	
Blasting poles	1.00	
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		\$73.86
Labor of teams.....	\$7.87	
Labor of men.....	509.04	
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		\$516.91
		<hr/>
		\$712.41

Length of sewer, 249 feet.

Average cut, 7.5 feet.

Cost per foot, \$2.861.

Began June 17, finished July 9.

Nature of excavation, gravel and boulders.

THORNTON STREET—Wayne Street to Janelle Avenue.

363 feet of 10-inch Portland @ 18c.....	\$65.34	
2 8-inch on 10-inch Ys @ \$0.816.....	1.63	
13 6-inch on 10-inch Ys @ \$0.816.....	10.61	
		<hr/>
		\$77.58
2 manholes, 2,400 brick @ \$7.42 per M..	\$17.80	
2 manhole castings @ \$14.80.....	29.60	
6 manhole steps @ 25c.....	1.50	
6 bags Norton cement @ 41⅓c.....	2.48	
		<hr/>
		\$51.38
18 bags Portland cement @ 56¾c.....		\$10.21
Labor of men	\$179.00	
Labor of teams.....	13.30	
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		\$192.50
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		\$331.67

Length of sewer, 393 feet.

Average cut, 6 feet.

Cost per foot, \$0.849.

Began June 20, finished July 28.

Nature of excavation, wet sand and muck.

UNION STREET—Appleton Street Northerly.

86 feet of 8-inch Portland @ 12c.....	\$10.32	
2 6-inch on 8-inch Ys @ 54c.....	1.08	
		<hr/>
		\$11.40
4 feet of 8-inch Portland (lamphole) @ 12c.....		\$0.48
2 bags Portland cement @ 56¾c.....		\$1.13
1 lantern hole casting.....		\$5.25
Labor of men.....	\$25.28	
Labor of teams.....	1.12	
		<hr/>
		\$26.40
		<hr/>
		\$44.66

Length of sewer, 90 feet.

Average cut, 5 feet.

Cost per foot, \$0.496.

Began August 30, finished August 31.

Nature of excavation, sand.

WENTWORTH STREET—Schiller Street to North of Gilman Street.

774 feet of 12-inch Portland @ 24c.....	\$185.76	
2 8-inch on 12-inch Ys @ \$1.08.....	2.16	
27 6-inch on 12-inch Ys @ \$1.08.....	29.16	
		<hr/>
		\$217.08
3 manholes, 4,200 brick @ \$7.42 per M..	\$31.16	
3 manhole castings @ \$14.80.....	44.40	
12 manhole steps @ 25c.....	3.00	
12 bags Norton cement @ 41½c....	4.96	
		<hr/>
		\$83.52
21 bags Portland cement @ 56¾c.....		\$11.92
Labor of men.....	\$823.25	
Labor of teams.....	40.50	
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		\$863.75
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		\$1,186.09

Length of sewer, 832 feet.

Average cut, 10.5 feet.

Cost per foot, \$1.413.

Began July 29, finished September 4.

Nature of excavation, hard sand.

WILLOW STREET—Pine Street to Shasta Street.

735 feet of 24-inch Portland @ \$1.07¼....	\$788.29	
48 feet of 8-inch Portland @ 12c.....	5.76	
1 6-inch on 8-inch Y @ 54c.....	.54	
2 feet of 10-inch pipe (leaders) @ 12c....	.36	
		<hr/>
		\$794.95

3 manholes, 4,000 brick @ \$7.42 per M..	\$29.68	
3 manhole castings @ \$14.80.....	44.40	
12 manhole steps @ 25c.....	3.00	
12 bags Norton cement @ 41½c.....	4.96	
		\$82.04
38 bags Portland cement @ 56¾c.....		\$21.56
Labor of section men (B. & M. R. R.) crossing under track at Willow street. (See bill of November 20, 1907)		\$22.51
Labor of teams.....	\$51.00	
Labor of men.....	983.84	
		\$1,034.84
		\$1,955.90
Length of sewer (bottom), 725 feet.		
Cost per foot, \$2.652.		
Length of sewer (top), 50 feet.		
Cost per foot, \$0.60.		
Average cut, 12 feet.		
Began September 6, finished September 25.		
Nature of excavation, sand.		
Cleaning streets, removing surplus earth and rocks, Division No. 2.....	\$845.58	
Cleaning streets, removing surplus earth and rocks, Division No. 10.....	435.03	
Superintendence and timekeeping, Division No. 2	1,150.00	
Superintendence and timekeeping, Division No. 7	26.24	
Superintendence and timekeeping, Division No. 10	177.47	
		\$2,634.32

Board of Street and Park Commissioners in account with the Appropriation for a New Bridge over Cohas Brook.

By six signs, 15" x 51", at different points on highways leading to bridge site:		
H. J. Rock		\$4.20
By furnishing and delivering all the material and doing all the labor constructing and erecting a bridge over Cohas brook at Willow street:		
United Construction Company of Albany, N. Y.....		1,987.00
By payroll Division No. 2.....		1.75
		\$1,992.95
To appropriation for new bridge over Cohas brook	\$2,000.00	
By balance unexpended		\$7.05
	\$2,000.00	\$2,000.00

The old bridge was a wooden truss thirty-two feet over all in length, with roadway twenty feet wide. The abutments were judged to be in a dangerous condition. The new bridge is of steel (girders and beams), the northerly span twenty feet over all, the middle span thirty-four feet over all, and the southerly span twenty feet over all, with width of roadway of twenty-four feet. The ends of the middle span are carried on two iron girders and the girders are in turn carried on four concrete piers or columns.

The three iron girders taken from the floor system of the canal bridge on Granite street when this bridge was removed in 1904 were not used when the same bridge was erected at Granite street over the Manchester & North Weare Railroad in 1906. Two of these girders were used on the Cohas brook bridge. These, with the plank for the roadway, were furnished by the city.

Board of Street and Park Commissioners in Account with the Appropriation for Brown-tail and Gypsy moth.

By supplies, John B. Varick Co.:			
44 brown-tail moth nest pruners.....	\$38.40		
fly paper, tacks, etc.....	1.55		
iron rods, turnbuckles, etc.....	4.45		
			\$44.00
J. J. Abbott.....	\$0.60		
Manchester Hardware Co.....	.20		
			\$0.80
By printing:			
13,000 brown-tail and gypsy moth notices.....			\$28.00
By labor distributing brown-tail moth notices:			
A. T. Barr.....	\$8.75		
T. F. Haggerty.....	8.75		
E. Jobin	16.25		
C. Reagan	3.75		
F. H. Taylor	3.75		
By payroll:			
L. C. Paige (Division No. 8).....	2.00		
L. J. Proctor (Division No. 9).....	2.87		
Commons	29.95		
			\$76.07
By labor, inspector:			
L. A. O'Connor.....			\$33.43
By carfares (28 men Boston to Manchester).....			\$29.96
By labor (Munson-Whittaker Co.):			
removing and destroying brown-tail			
moth nests	\$4,653.92		
To discount, paid in advance of draft.....	21.85		
			\$4,632.07
			<hr/>
			\$4,844.73

To appropriation for brown-tail and gypsy moth	\$5,000.00	
By balance unexpended.....		\$155.27
	<hr/>	<hr/>
	\$5,000.00	\$5,000.00

The work of suppressing the brown-tail moth was begun in the latter part of March and ended May 4. All the trees in public highways were cleaned throughout the city, excepting those on most of the outlying roads. The work was done by the Munson-Whitaker Company of Boston, Mass., they furnishing all the tools, appliances and labor at thirty-five cents per hour per man; the expense of the work ending with the June draft was \$2,962.02.

During the period that the moths were flying sticky fly paper was fastened to a number of electric light poles and several globes enclosing the electric lights were coated with a transparent sticky mixture. These methods resulted in little or no success.

The General Court passed an Act (approved April 5, 1907) for Suppressing the Gypsy and Brown-tail Moth (Chapter 147, Session Laws of 1907).

At a meeting of the Board of Mayor and Aldermen, May 7, 1907, the Board of Street and Park Commissioners was appointed to act in behalf of the mayor and aldermen for the suppression of the gypsy and brown-tail moth, as required by said chapter.

Previous to and including November 1 about eleven thousand notices to property owners were distributed, a copy of which follows:

NOTICE TO PROPERTY OWNER.

You are hereby required on or before January 1, 1908, to destroy the gypsy and brown-tail moths on your property in the city of Manchester, N. H.

This notification is in accordance with chapter 147, Acts of 1907, providing for suppressing the gypsy and brown-tail moths.

The Board of Street and Park Commissioners ask owners and tenants to co-operate with the city in its work on highways and public grounds by doing effective work on their premises. Citizens who have cleaned their premises of the moths, but find their trees endangered by the neglect of owners of adjoining premises should make complaint to the Board of Street and Park Commissioners.

The eggs of the gypsy moth should be destroyed at once with creosote. They should never be scraped off the object on which they are laid. Careful search should be made for gypsy moth egg clusters, not only on trees, but also on house walls, stone walls, fences and in rubbish heaps, etc.

Trees in which cavities occur and which are not desirable to cut should have the cavities tinned or cemented. This is important. The present and future cost of combating this insect can be greatly re-

duced by cutting and burning worthless brush, hollow trees, etc. A few trees well cared for are more valuable to the property owner and the community than a large number of neglected trees.

The nests of the brown-tail moth should be cut from the trees, carefully collected and burned in a stove or furnace.

Section 5 of said chapter 147 provides that if the property owner fails to destroy such moths, eggs, caterpillars, pupæ or nests, or fails to cause them to be destroyed in accordance with the requirements of the act, after proper notice to do so, the work may be performed by the agents of the city and the cost assessed and collected in the same manner as taxes, and shall be a lien on said property, subject to the laws governing other taxes.

Full instructions as to the best methods of work against the moths may be obtained from the Board of Street and Park Commissioners.

As soon as the leaves were off work was begun removing the brown-tail moth nests from highway trees. This work was continued into December at an expense of \$1,882.71. This amount, paid out of the 1907 appropriation, covered a part of 1908 season's work, and included the section (mostly large elms) bounded by Elm street, Spruce street, Mammoth road and Bridge street.

Board of Street and Park Commissioners in Account with the Appropriation for Care of Commons.

By stable rent:		
Mary Dwyer.....		\$36.00
By water (Board of Water Commissioners):		
Battery building.....	\$22.50	
Prout park	6.00	
Merrimack common, Soldiers' monument	300.00	
Merrimack common, public urinal.....	100.00	
Park common	100.00	
Concord common	100.00	
Tremont Common	100.00	
		<hr/> \$728.50
By gas, People's Gas Light Co.:		
Battery building		\$17.08
By electric lights:		
Manchester Traction, Light & Power Co.....		\$36.00
By curbing, C. A. Bailey:		
Park common (Pine street).....		\$103.30
By supplies:		
John B. Varick Co.....	\$65.53	
Henry W. Parker.....	2.20	
Pike & Heald Co.....	13.75	
Parnell Bros.	3.00	
Head & Dowst Co.....	42.05	
		<hr/> \$126.53

By repairs:

C. H. Hutchinson.....	\$9.00
E. M. Bryant .....	.56

 \$9.56

By flower beds:

Kirby Bros.:

Park common, 2 beds.....	\$40.00
Merrimack common, 2 beds.....	61.83
Concord common, 1 bed.....	37.00
F. A. Koerner, Simpson's park.....	26.00

A. P. Horne:

Hanover common, 3 beds.....	60.00
Hanover common, 4 beds.....	60.00

F. J. Bixby:

Tremont common	20.00
Stark park, 1 vase.....	17.00
Stark park, 6 beds.....	120.00
Stark park, 1 bed.....	5.00

A. G. Hood:

Tremont common, 2 beds.....	40.00
Merrimack common, 2 beds.....	35.00

 \$521.83

By payroll	\$2,815.29
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 \$4,396.09

To appropriation for care of commons.....	\$4,500.00
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By balance unexpended	103.91
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 \$4,500.00

 \$4,500.00

The appropriation of \$4,500 allows for little more than maintenance and does not provide for permanent improvements to any extent, as may be shown in the financial statement above. Following is a brief statement of the work done under maintenance: repaired, painted, set up and took down all park seats; set up sixteen new park seats and one hundred platforms (seats are fastened to these platforms); uncovered, cleaned, painted and covered fountains; drew water off and cleaned fountains twice during the season; cleaned out and repaired all cesspools; picked up all rubbish and paper and leaves every day during the season; swept and cleaned all walks once each week; brown-tail moth nests removed and destroyed; all flower and shrub beds were kept cleaned and watered; trimmed all trees and removed four dead trees; graded and turfed around walks; covered two of the beds with boughs, and manured all beds; set out four maple trees in the Merrimack common; erected one thousand feet of wire fence along walks; replaced old wire fence with new around ten shrub beds; laid sixty feet of eight-inch pipe from Hanover spring to Mile

brook; mowed lawns twelve times and erected and took down band stand ten times; skating grounds were flooded and maintained throughout favorable weather at the following locations: Boynton street, Mast street, Park common, Merrimack common, Hanover common, Concord common, and Tremont common.

Board of Street and Park Commissioners in Account with the Appropriation for Stark Park.

By repairs:		
Manchester Hardware Co.....	\$6.80	
The Head & Dowst Co.....	11.58	
		\$18.38
By supplies:		
John B. Varick Co.....		\$1.00
By water:		
Board of Water Commissioners.....		\$12.00
By payroll		\$918.09
		\$949.47
To appropriation for Stark park.....	\$1,000.00	
bedding (W. C. Burbank).....	3.00	
By balance unexpended		53.53
	\$1,003.00	\$1,003.00

The appropriation of \$1,000 allows for maintenance only and does not provide for permanent improvements. Following is a brief statement of the work done under maintenance: dead trees and all brush were cut and removed; gutters, cesspools and roads were cleaned and repaired; shrub and flower beds were cleaned; three trees were set out; four tons of hay cut, made and stored; brown-tail moth nests removed and destroyed; the lawns were cut twelve times during the season; the fence about monument was repaired; five new seats were placed, and six hundred feet of board rail fence built.

Board of Street and Park Commissioners in Account with the Appropriation for Derryfield Park.

By water:		
Board of Water Commissioners.....		\$24.00
By supplies:		
J. B. Varick Co.....		\$1.45
By freight:		
Boston & Maine Railroad.....		\$2.17
By shrubs (400), herbaceous (1,000):		
Charles A. Fish & Co.....		\$200.00

By insurance:

John A. Sheehan.....	\$6.00
W. G. Berry.....	5.00

\$11.00

By payroll \$963.27

\$1,201.89

To appropriation for Derryfield park.....	\$1,000.00
old lumber, A. D. Sherer.....	2.00
rent of field glass, A. J. Seastrom.....	3.70
overdraft	196.19
	<hr/>
	\$1,201.89

\$1,201.89

The appropriation of \$1,000 allows for maintenance only and does not provide for permanent improvements. Following is a brief statement of the work done under maintenance: dead trees and about two hundred loads of brush were cut and removed; all gutters, cesspools and roads cleaned and repaired; the bicycle track was cleaned; the observatory repaired; the six lawn swings repaired, painted, set up and taken down; brown-tail moth nests removed and destroyed; cannon and cannon balls painted; the lawns were cut twelve times during the season; thirty tons of hay were cut, made and stored; eight shrub beds, five flower beds and one tulip bed were made; all shrub beds were manured, tulip bed protected with boughs; eight hundred shrubs were planted; two hundred one-horse loads of manure were drawn from the city stables for top dressing; apple trees were trimmed; fifty barrels of apples picked; ten barrels were delivered to each of the orphans' homes and ten barrels to the city mission.

Board of Street and Park Commissioners in Account with the Appropriation for Lafayette Park.

By drain tile:

Manchester Supply Co.....	\$16.28
Pike & Heald Co.....	16.00

\$32.28

By fuel (running concrete mixer):

L. B. Bodwell & Co.....	\$2.88
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\$2.88

By supplies:

J. B. Varick Co.....	\$47.39
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\$47.39

By contracts and bills (incurred previous to 1907):

Pike & Heald Co.....	\$9.41
The J. H. Mendell Co.....	295.70

\$305.11

By labor:

Payroll Division No. 10.....	\$1,520.61
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\$1,908.27

To appropriation for Lafayette park.....	\$2,000.00	
By balance unexpended.....		\$91.73
	<hr/>	<hr/>
	\$2,000.00	\$2,000.00

Twenty anchors of concrete were built connecting the wall at intervals of ten feet with 1¼-inch round iron rods bedded in concrete; the southerly end of the park was filled nearly to grade, ashes from the Amoskeag boiler house (a short haul) were given for the teaming. Rimmon street, Kelley northerly, was cut to grade and the material dumped in the park; boulders from the Canal street sewer, concrete taken from McGregor bridge where replanked, and material from Main street and Nicolet lane were also dumped in the park. Nearly eighty per cent of the money expended was for labor and teams.

Labor	\$990.74	
Teams	529.87	
	<hr/>	<hr/>
		\$1,520.61

Board of Street and Park Commissioners in Account with the Appropriation for Miscellaneous Playgrounds.

By repairs (Prout park, house, contracted previous to 1907):		
E. E. Reed.....		\$25.69
By water (Prout park house):		
Board of Water Commissioners.....		\$6.00
By supplies:		
John B. Varick Co.....		\$0.69
By insurance (Prout park buildings):		
John A. Sheehan.....		\$15.75
By rent (Barry playground):		
Amoskeag Manufacturing Co.....		\$1.00
By payroll		\$26.42
		<hr/>
		\$75.53
To appropriation for miscellaneous play- grounds	\$200.00	
By balance unexpended		124.45
	<hr/>	<hr/>
	\$200.00	\$200.00

No appropriation was made for the expense of maintaining Prout park; the first three items listed above were charged to miscellaneous playgrounds.

Thirty-two feet of plank seats were built, back stop repaired and baseball diamond in Barry playground leveled; grass was cut in both playgrounds.

Following is a statement of the proportion of each classification (under recapitulation) to the total amount expended:

New machinery, .0237%.	Concrete, .0197%.
Repairs, .0267%.	Paint, .0012%.
Gravel, sand and clay, .0026%.	Supplies, .0143%.
Paving blocks, .0091%.	Freight, .0023%.
Broken stone, .0289%.	Veterinary and medicine, .0005%.
Sewer pipe, .0246%.	New bridge, .0105%.
Brick, .0048%.	Printing, .0005%.
Cement, .0098%.	Labor distributing and inspecting brown-tail moths, .0004%.
Castings, .0081%.	Brown-tail moth contract, .0246%.
Lumber, .0110%.	Flowers and shrubs, .0038%.
Fuel, .0046%.	Garbage contract, .0102%.
Lights, .0010%.	Miscellaneous, .0044%.
Curbing, .0028%.	Old bills, .0512%.
Water, .00508%.	Payroll, .6683%.
Ice, .0008%.	
Feed, .0222%.	
Total, .9977%.	

The brown-tail and gypsy moth work was labor and amounted to .025%; the Elm-street bridge payroll was \$920.15, or .0048%. These two items added to the labor on McGregor bridge contract, amounting to .0026%, make the total payroll expended within the city of Manchester 70% of the total amount of money expended by this department.

RECAPITULATION.

	Appropriation.	Credits.	Total.	Payroll.	New machine.	Repairs.	Gravel sand and Clay.	Paving blocks.	Broken stone.	Pipe.	Brick.
Street and park commission...	\$ 3,300.00	.....	\$ 3,300.00	\$ 2,733.27							
Snow and ice.....	9,000.00	.....	9,000.00	11,630.29	\$ 100.00	\$ 0.88	\$ 324.75				
Repairs of highways.....	44,500.00	\$ 439.53	44,939.53	31,281.01	3,027.05	46.89	144.64		\$5,173.00		
New highways.....	5,000.00	.....	5,000.00	3,863.38							
Watering streets.....	7,000.00	.....	7,000.00	4,892.88		2.35					
Paving streets.....	5,000.00	.....	5,000.00	3,686.04							
Macadamizing streets.....	7,000.00	2,543.02	7,543.02	994.53	1,000.68		38.63	\$1,171.08	377.30		
Grading for concrete.....	3,500.00	.....	3,500.00	2,219.43			8.00				
Scavenger service.....	25,000.00	.....	25,000.00	24,850.02		7.00					
Street sweeping.....	6,000.00	.....	6,000.00	4,895.81	343.20	69.25			78.00		
Bridges.....	7,000.00	501.68	7,500.68	1,349.07		4,450.23					\$295.25
City teams.....	8,000.00	.....	8,000.00	6,112.87		280.75					618.68
Repairs of sewers.....	8,000.00	196.60	8,196.60	3,921.83		158.10				\$4,601.57	
New sewers.....	30,000.00	864.36	30,864.36	17,165.18							
New bridge, Cohas brook.....	2,000.00	.....	2,000.00	1.75							
Brown-tail and Gypsy moths.....	5,000.00	.....	5,000.00	34.82							
Care of commons.....	4,500.00	.....	4,500.00	2,813.29		9.56					
Stark park.....	1,000.00	3.00	1,003.00	918.09		18.38					
Derryfield park.....	1,000.00	5.70	1,005.70	963.27							
Lafayette park.....	2,000.00	.....	2,000.00	1,920.61						32.26	
Miscellaneous playgrounds.....	200.00	.....	200.00	26.42							
	\$183,700.00	\$ 4,552.95	\$188,252.95	\$125,822.42	\$4,476.91	\$5,043.30	\$ 516.02	\$1,718.08	\$5,628.90	\$4,633.83	\$913.45

RECAPITULATION.—Continued.

	Cement.	Castings.	Lumber.	Curbing.	Fuel.	Lights.	Water.	Ice.	Feed.	Concrete	Paint.
Street and park commission....											
Snow and ice.....								\$ 5.85			
Repairs of highways.....				\$ 39.00	\$473.94		\$ 20.50			\$ 682.72	
New highways.....					58.00						
Watering streets.....								146.34		2,707.70	
Paving streets.....	\$616.09		\$ 28.81	328.00							
Macadamizing streets.....			72.21		51.75		52.50			214.72	
Grading for concrete.....									\$ 880.16		
Scavenger service.....											
Street sweeping.....											
Bridges.....	943.85		752.55							108.18	\$228.00
City lamps.....			108.23								
Repairs of sewers.....	1.10	\$897.64	306.83	69.00	125.29	\$139.72	114.50	2.46	3,309.75		
New sewers.....	245.52	633.51	814.43		170.40						
New bridge, Cohas brook.....											
Brown-tail and Gypsy moths											
Care of commons.....				105.30		53.08	728.50				
Stark park.....							12.00				
Derryfield park.....							24.00				
Lafayette park.....					2.88		6.00				
Miscellaneous playgrounds....											
	\$1,856.56	\$1,531.15	\$2,083.09	\$541.30	\$882.26	\$192.80	\$958.00	\$151.65	\$4,189.91	\$3,713.32	\$228.00

RECAPITULATION.—Continued.

	Supplies.	Freight.	Veterinary and Medicine.	New bridge.	Printing.	Labor dis- tributing and Insp.	B. T. Moth contract.	Flowers and Shrubs	Garbage contract.	Miscellaneous.
Street and park commission.....	\$124.23	.....	.....	.....	\$74.84	.....	.....	.....	.....	\$179.74
Snow and ice.....	57.25	\$5.86	.....	.....	.....	.....	.....	.....	.....	139.79
Repairs of highways.....	520.49	44.70	.....	.....	.....	.....	.....	.....	.....	69.79
New highways.....	18.53	.....	.....	.....	.....	.....	.....	.....	.....	.....
Watering streets.....	239.66	54.37	.....	.....	.....	.....	.....	.....	.....	59.42
Paving streets.....	52.45	1.50	.....	.....	.....	.....	.....	.....	.....	51.76
Macadamizing streets.....	56.90	.....	.....	.....	.....	.....	.....	.....	\$1,922.64	.75
Grading for concrete.....	4.35	.....	.....	.....	.....	.....	.....	.....	.....	33.25
Scavenger service.....	21.36	7.30	.....	.....	.....	.....	.....	.....	.....	42.03
Street sweeping.....	50.00	173.25	.....	.....	.....	.....	.....	.....	.....	76.58
Bridges.....	89.44	.....	.....	.....	.....	.....	.....	.....	.....	4.20
City teams.....	510.80	.....	\$39.82	.....	.....	.....	.....	.....	.....	29.96
Repairs of sewers.....	64.95	38.75	.....	.....	.....	.....	.....	.....	.....	36.00
New sewers.....	669.90	111.14	.....	\$1,987.00	.....	.....	.....	.....	.....	11.00
New bridge, Colas brook.....	.....	.....	.....	.....	28.00	\$74.68	\$4,632.07	\$521.83	.....	16.75
Brown-tail and Gypsy moths.....	45.20	.....	.....	.....	.....	.....	.....	.....	.....	.....
Care of commons.....	126.53	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stark park.....	1.00	.....	.....	.....	.....	.....	.....	200.00	.....	.....
Derryfield park.....	1.45	2.17	.....	.....	.....	.....	.....	.....	.....	.....
Lafayette park.....	47.39	.....	.....	.....	.....	.....	.....	.....	.....	.....
Miscellaneous playgrounds.....	.69	.....	.....	.....	.....	.....	.....	.....	.....	.....
	\$2,702.57	\$439.04	\$99.82	\$1,987.00	\$102.84	\$74.68	\$4,632.07	\$721.83	\$1,922.64	\$841.02

RECAPITULATION.—Continued.

	Old bills.	Total.	Overdraft.	Balance.
Street and park commission.....		\$3,117.93		\$182.07
Snow and ice.....	\$716.75	12,965.57	\$3,965.57	
Repairs of highways.....	1,528.33	43,158.73		1,480.96
New highways.....		3,880.11		1,119.89
Watering streets.....	51.42	5,387.02		1,612.38
Paving streets.....	1,125.30	10,361.02	2,818.00	
Macadamizing streets.....	122.50	2,786.13		4,213.87
Grading for concrete.....	1,646.26	4,092.76	592.76	
Scavenger service.....	1,665.35	29,347.88	4,347.88	
Street sweeping.....		5,365.56		634.44
Bridges.....		8,963.77	1,463.09	
City teams.....	707.86	11,598.40	3,598.40	
Repairs of sewers.....	732.15	6,051.94		2,144.66
New sewers.....	456.87	25,807.18		5,067.18
New bridge, Cohas brook.....	542.17	1,992.96		7.05
Brown-tail and Gypsy moths.....		4,844.73		155.27
Care of commons.....		4,396.09		103.91
Stark park.....		949.47		53.53
Derryfield park.....		1,201.89	196.19	
Lafayette park.....	306.11	1,908.27		91.73
Miscellaneous playgrounds.....	25.69	75.55		124.45
	\$9,645.76	\$188,252.35	\$16,981.89	\$16,981.89

REPORT OF THE ENGINEER'S DEPARTMENT.

MANCHESTER, N. H., December 31, 1907.

To the Honorable Mayor and City Councils:

GENTLEMEN:—The twenty-ninth annual report of the engineer's department is herewith submitted, showing the expenditures and operations for the year ending December 31, 1907.

ORGANIZATION FROM JANUARY 1 TO APRIL 1, 1907.

SAMUEL J. LORD, *City Engineer.*

Assistants: George W. Wales, Harrie M. Young, Harry J. Briggs, Alfred T. Dodge, Henry A. Worthen, Harold M. Haskell, Joseph A. Dusseault (to March 25), Lawrence A. O'Connor, John J. McAllister (stenographer and typewriter).

ORGANIZATION FROM APRIL 1 TO DECEMBER 31, 1907.

SAMUEL J. LORD, *Chief Engineer of the City.*

GEORGE W. WALES, *First Assistant Engineer.*

Assistants: Harrie M. Young, Harry J. Briggs, Alfred T. Dodge, Henry A. Worthen, Harold M. Haskell (to May 20th), Lawrence A. O'Connor, Reuben Hayes (May 21st to September 21st), John J. McAllister (stenographer and typewriter).

FINANCIAL.

CONCORD FOUNDRY & MACHINE COMPANY, CONCORD, N. H.

1906.

Nov. 4.	To 62 lbs. sign hanger castings at 2½c.	\$1.55	
Jan. 13.	By freight paid	\$0.35	
Dec. 8.	By freight paid	0.25	
Dec. 20.	By freight paid	0.30	
		<hr/>	.90
			\$0.65
Mar. 8.	To 45 sign hanger castings, 196 lbs. at 2½c. per lb.....		\$4.88
April 26.	To 211 sign hanger castings, 815 lbs. at 3c. per lb.....	\$24.45	
	By freight on the above castings from Concord, N. H., to Manchester, N. H.....	.40	
		<hr/>	\$24.05

Nov. 23.	To 600 cast iron street sign hangers, drilled and painted, at 18c.....	\$108.00
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CHARLES M. FLOYD.

1906.

Nov. 16.	To overalls and jumper, for cement work	\$1.50
	gloves, for cement work.....	.25
		<hr/>
		\$1.75

NEW ENGLAND TELEPHONE & TELEGRAPH CO.

1906.

Dec. 11.	To telephone tolls from December 31, 1905, to December 11, 1906.....	\$2.26
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1907.

Feb. 23.	To exchange service, including rental of telephone for four months ending January 31, 1907, at \$2.08 per month.....	\$8.32
Mar. 19.	To exchange service, including rental of telephone for one month ending February 28, 1907	\$2.00
April 19.	To exchange service, including rental of telephone for one month ending March 31, 1907	\$2.00
May 25.	To exchange service, including rental of telephone for one month ending April 30, 1907	\$2.00
June 1.	To exchange service, including rental of telephone, for one month ending May 31, 1907	\$2.08
July 27.	To exchange service, including rental of telephone, for one month ending June 30, 1907	\$2.08
July 27.	To tolls:	
	April 29. Suncook 22-4, G. N. Simpson	\$0.10
	May 18. Dover 255-5, R. Hayes .....	.15
	June 7. Suncook 3-5, C. A. Bailey .....	.20
		<hr/>
		\$0.45
Aug. 19.	To exchange service, including rental of telephone, for one month ending July 31, 1907	\$2.08
Sept. 19.	To exchange service, including rental of telephone, for one month ending August 31, 1907	\$2.08

Oct. 18.	To exchange service, including rental of telephone for one month ending September 30, 1907	\$2.08
Nov. 19.	To exchange service, including rental of telephone, for one month ending October 31, 1907	\$2.08
Dec. 19.	To exchange service, including rental of telephone, for one month ending November 30, 1907	\$2.08

MANCHESTER HARDWARE COMPANY.

1906.			
Dec. 20.	To 2 7/32 bit stock twist drills at 17c.....		\$0.34
1907.			
April 11.	To 1 hank braided cord	\$0.20	
20.	1 paper tacks .....	.05	
	1 paper brads .....	.05	
	7 sheets paper .....	.15	
			\$0.45
May 2.	To 1 brass hook and eye.....	\$0.09	
	1 hank No. 4 braided cord....	.20	
			\$0.29
July 19.	To 29 dozen street numbers at 4½c. each....		\$14.79
27.	To 1 plumb bob line.....		\$0.10
Aug. 12.	To 2 plumb bob lines at 10c. each.....		\$0.20
Oct. 4.	To 36 letters A and 35 letters B, 71 at 7½c. each		\$5.33
Nov. 23.	To 116 dozen street numbers at 51c. per doz.		\$59.16
	To ½ pint oil.....	\$0.25	
19.	12 nickel figures at 4¼c.....	.51	
Dec. 17.	2 kegs 20d wire floor nails, galv., at \$4.50.....	9.00	
			\$9.76

W. P. GOODMAN.

1906.			
Dec. 31.	To 1/12 shorthand books.....	\$0.10	
1907.			
Jan. 3.	1 box T. W. paper.....	2.00	
	1 box T. W. paper.....	1.50	
	½ dozen erasers.....	.30	
17.	1/12 steel eraser .....	.45	
Feb. 1.	5/12 shorthand books.....	.50	
27.	6 dozen pencil protectors....	1.50	
Mar. 4.	2 bottles Higgins' ink.....	.50	
April 8.	100 envelopes .....	.50	
	1 box 20-lb. paper.....	1.75	
9.	8 boxes bands	2.00	

April 15.	To	$\frac{1}{3}$ dozen erasers.....	\$0.20
		$\frac{1}{6}$ dozen erasers.....	.20
May 7.		1 box parchment T. W. paper	2.00
31.		200 catalog envelopes.....	.80
June 4.		1 box T. W. paper.....	2.00
10.		manuscript covers.....	.10

\$16.40

By	1 roll tracing cloth...	\$6.28
	5 boxes bands	1.25

7.53

\$8.87

JOHN B. VARICK COMPANY.

1907.

Jan. 5.	To	1, 6 ex. 7 x 5 dev.....	\$0.35
		5 prints at 10c.....	.50
		1 sterling pen	3.75

\$4.60

Feb. 21.	To	3, 7 x 5, 6 ex. films at 80c.....	\$2.40
22.		6, 7 x 5, 6 ex. films at 80c.....	4.80
28.		1, 7 x 5, 6 ex. film developed..	.35
		5 prints at 10c.....	.50
26.		5 rolls, 5 x 7, 6 ex. dev. at 35c.	1.75
		39 prints at 10c.....	3.90

\$13.80

Mar. 29.	To	8 prints, 5 x 7, at 10c.....	\$0.80
April 6.		2 $7\frac{3}{32}$ M. T. drills at 9c.....	.18
11.		1 lb. lamp black oil.....	.17

\$1.15

June 4.	To	2 lbs. drop black can Japan at 20c.....	\$0.40
July 23.	To	2 6 ex., 7 x 5 films at 80c.....	\$1.60
		2 rolls, 5 x 7, developed, at 35c.	.70
		12 prints, 5 x 7, at 10c.....	1.20

\$3.50

Aug. 21.	To	1 18-foot extension ladder at 18c. per foot.....	\$3.24
27.		1 6 ex., 7 x 5, developed.....	.35
		6 prints at 10c.....	.60

\$4.19

Sept. 23.	To	20 post cards at 5c.....	\$1.00
Oct. 8.		1 6 ex., 5 x 7, developed.....	.35
		5 prints .....	.50
Nov. 16.		$1\frac{3}{4}$ lbs. $\frac{3}{4}$ " Manila rope at 15c.	.27
Dec. 12.		100 lbs. Phoenix lead at $7\frac{1}{4}$ c.	7.25
		5 gallons raw oil at 50c.....	2.50
		2 gallons spirits at 38c.....	.76

Dec.	12.	To	1 pint dryer	\$0.10	
			2 lbs. raw umber in oil at 17c. ....	.34	
			1 paint brush	1.10	
			1 paint brush .....	.20	
			1 2-gallon can.....	.30	
			1 5-gallon can.....	.65	
	14.		242 lbs. $\frac{3}{8}$ " round Norway iron at $3\frac{1}{4}$ c per lb.....	7.86	
	20.		1 No. 6905 Passometer.....	6.50	
			1 No. 7847 tallying recorder..	5.50	
			1 No. 5915 Aneroid surveying instrument	58.00	
			6 steel drafting scales at \$1.88	11.28	
			1 time clock	65.00	
			6 plumb bobs at \$1.25.....	7.50	
					<hr/>
					\$176.96

E. G. SOLTMAN & CO., NEW YORK CITY.

1907.

Jan.	7.	To	3 rolls Par. Ex. tracing cloth at \$6.08	\$18.24	
			prepaid .....	.60	
					<hr/>
					\$18.84
Feb.	1.	To	2 50-yd. rolls, 36" blue print paper at \$3.95 per roll.....	\$7.90	
			express prepaid .....	.65	
					<hr/>
					\$8.55
April	4.	To	1 gross Kohinoor pencils.....	\$5.00	
			1 quire bond paper.....	1.76	
			1 quire bond paper.....	2.00	
			1 quire bond paper.....	1.40	
			1 dozen bottles ink.....	2.25	
			3 pencil pointers.....	.36	
			1 dozen multiple rubbers....	.45	
			1 new cutter for pencil sharp- ener	2.00	
			express .....	.55	
	8.		1 tape repaired .....	.35	
			1 tape repaired .....	.50	
			express .....	.16	
					<hr/>
					\$16.78
		By	1 cutter for Jupiter pencil sharpener returned .....	.50	
					<hr/>
					\$16.28

Oct. 12.	To 2 rolls 37" Par. Ex. tracing cloth at \$6.46	\$12.92	
	100 sheet bond paper.....	5.50	
	2 rolls 36" blue print paper at \$3.95	7.90	
	200 sheets Victoria drawing paper	8.00	
	expressage .....	.35	
			\$34.67
Dec. 19.	To 4 rolls 37" Par. Ex. tracing cloth at \$6.46 per roll.....	\$25.84	
	100 sheets bond paper 24" x 38"	5.50	
	2 rolls 36" blue print paper... ..	7.90	
	200 sheets Victoria drawing paper	8.00	
			\$47.24

THE MYRON C. CLARK PUBLISHING COMPANY, NEW YORK CITY.

1907.

Jan. 21.	To subscription to Engineering-Contracting, January 31, 1907, to January 31, 1908....	\$1.00
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BOSTON & MAINE RAILROAD.

1907.

Jan. 26.	To freight on 10 bundles castings from Concord, N. H., December 20, 1906.....	\$0.30
April 27.	To freight on 13 bundles street sign hangers from Concord, N. H., to Manchester, N. H.	\$0.40

TECHNICAL SUPPLY COMPANY, NEW YORK CITY.

1907.

Feb. 6.	To 1 100-foot Chesterman steel tape	\$9.00	
	expressage .....	.65	
			\$9.65
Feb. 7.	To 1 50-yd. roll, 48 inches wide, No. 32, Standard detail paper, extra thick.....		\$3.00

JOSEPH VOGEL & CO.

1907.

Feb. 20.	To touching up and varnishing No. 1 wagon..	\$15.00
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OFFICE, BANK AND LIBRARY COMPANY, BOSTON, MASS.

1907.

Feb. 23.	To 1 12-drawer steel vertical file cabinet, legal cap size, finish olive green, satin brass trimmings, without lock, net	\$91.00	
	By 1 8-drawer vertical filing cabinet	55.46	
			\$35.54

June 10.	To 500 Manila vertical file holders, legal size.....	\$3.00	
	350 Manila vertical file guides plain, cut 5th.....	4.20	
		<hr/>	
		\$7.20	
	By recutting folders and guides	2.50	
		<hr/>	\$4.70

J. G. JONES.

1907.			
Mar. 4.	To cartage on 1 steel filing cabinet.....		\$0.50

CHAS. A. HOITT COMPANY.

1907.			
Mar. 17.	To repairing 1 chair and 1 stool base.....		\$0.75

B. L. MAKEPEACE, BOSTON, MASS.

1907.			
Mar. 25.	To 1 50-yd. roll 48" Ajax drawing paper	\$2.60	
	1 10-yd. roll 36" Anvil drawing paper	6.65	
	1 10-yd. roll 36" Key. Med. Parch. B. P. paper.....	.75	
	1 10-yd. roll 36" Key. blue print linen	3.00	
		<hr/>	\$13.00

THE J. H. MENDELL COMPANY.

1907.			
April 2.	To use of lathe in drilling street sign hanger castings, 4 hours	\$1.00	
May 24.	use of lathe in drilling street sign hanger castings, 6½ hours	1.63	
25.	use of lathe in drilling street sign hanger castings, 4 hours	1.00	
27.	use of lathe in drilling street sign hanger castings, 5 hours	1.25	
		<hr/>	\$4.88

THE HEAD & DOWST COMPANY.

1907.			
May 3.	To 3,000 2-foot grade stakes at \$6	\$18.00	
4.	500 hubs at \$1.25 per 100.....	6.25	
7.	216 3-foot grade stakes at \$3.25 per hundred	7.01	
14.	88 3-foot grade stakes at \$3.25 per hundred	2.86	
		<hr/>	\$34.12

ENGINEER'S DEPARTMENT.

449

Oct. 22.	To 50 3-foot grade stakes.....	\$1.63	
25.	200 3-foot grade stakes.....	6.50	
Nov. 2.	1,020 2-foot grade stakes.....	6.12	
			\$14.25
Dec. 14.	To 4,000 2-ft. grade stakes at \$6	\$24.00	
	500 3-ft. grade stakes at \$32.50	16.25	
	300 4-ft. grade stakes at \$32.50	9.75	
	500 18" hubs at \$1.25 per 100..	6.25	
	1,000 street signboards at 8c..	80.00	
	2,500 2-ft. grade stakes at \$6..	15.00	
	250 3-ft. grade stakes at \$32.50	8.13	
	200 4-ft. grade stakes at \$32.50	6.50	
	250 18" hubs at \$1.25.....	3.13	
	42 ft. Michigan sapling.....	2.10	
16.	42 ft. Michigan sapling.....	2.10	
			\$173.21

THE JOHN B. CLARKE COMPANY.

1907.

May 23.	To printing city engineer's report, 78 pages and cover at 60c. per page.....		\$47.40
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IDEAL STAMP COMPANY.

1907.

May 25.	To 1 No. 3 office printing outfit..	\$1.25	
	1 cushion stamp75	
	4 1-line stamps .....	.40	
			\$2.40

PIKE & HEALD COMPANY.

1907.

June 3.	To 1 tin case		\$0.85
Oct. 19.	To 1 4" brass ferrule.....	\$0.75	
	2 feet 4" light soil pipe at 26c.	.52	
	2 gallons gasoline at 25c.....	.50	
			\$1.77

TEMPLE & FARRINGTON COMPANY.

1906.

June 6.	To 1 blank book	\$0.25	
Aug. 24.	1 dozen sheets red carbon...	.50	

1907.

Feb. 19.	binding 1 time book.....	.85	
	binding 1 record Committee on Streets .....	.85	
	binding 1 record Committee on Sewers and Drains.....	.85	
			\$3.30
April 6.	To 1 box Challenge eyelets.....	\$0.25	
8.	1 box carbon paper.....	3.00	
13.	24 field books No. 7647.....	17.00	
			\$20.25

May	3.	To binding 1 book.....	\$0.85	
	29.	2 boxes Challenge eyelets ....	.50	
July	26.	1 ream T. W. paper.....	.50	
				<hr/>
				\$1.85

LEDDER & PROBST, BOSTON, MASS.

1907.

June	28.	To repairing and repainting two targets	\$3.00	
		1/2 express charges.....	.08	
				<hr/>
				\$3.08

PUTNAM & TAYLOR.

1907.

July	27.	To policy No. 558638, Granite State, insurance on No. 1 engineer's wagon during the months of January, February, March, and a part of April while located in Vogel's paint shop.....		\$3.75
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REMINGTON TYPEWRITER COMPANY, BOSTON, MASS.

1907.

July	27.	To 1 No. 8 Remington typewriter, style type, pica, C. carriage and tabulator	\$125.00	
		By 10% discount	\$12.50	
		allowance on old Remington machine	30.00	
				<hr/>
				42.50
				<hr/>
				\$82.50
Dec.	2.	To 1 No. 8 Remington typewriter, with tabulator and 18-inch carriage	\$130.00	
		By 10% discount.....	\$13.00	
		old Smith Premier typewriter	25.00	
				<hr/>
				38.00
				<hr/>
				\$92.00
Dec.	9.	To 1 grade A, 8-drawer drop cabinet.....	39.00	
				<hr/>
				\$131.00

L. B. BODWELL & CO.

1907.

Nov.	12.	To ice furnished for water tank June 14 to November 1, 1907.....		\$7.02
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BURROUGHS ADDING MACHINE COMPANY, PORTLAND, ME.

1907.

Nov. 23.	To Burroughs adding and listing machine, No. 15-75653	\$475.00
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J. J. ABBOTT.

1907.

Dec. 20.	To 3 cans Vermillion at 45c.....	\$1.35
	1 brush20
		<hr/>
		\$1.55

BOARD OF STREET AND PARK COMMISSIONERS.

1907.

Dec. 21.	To labor setting highway bounds:	
	C. McCarthy, 5½ days at \$1.85	\$10.17
	R. Rautier, 5 days at \$2.25....	11.25
	G. R. Prince, 8 days at \$2.00... *	16.00
		<hr/>
		\$37.42

To be credited to the appropriation for re-
pairs of highways.

CHARLES F. MCCARTHY.

1907.

Dec. 20.	To painting and lettering 139 street signs at 30c. each	\$41.70
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FRANK A. GAY.

1907.

Dec. 21.	To land survey River road, west side, West Salmon street northerly	\$10.00
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HARRY L. GOULD.

1907.

Dec. 21.	To reports on hydrant bench marks for year 1907	\$12.00
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JOHN J. MCALLISTER, JR.

1907.

Jan. 26.	To cash paid H. A. Worthen for carfare	\$0.10
	cash paid H. M. Young for notebook05
		<hr/>
		\$0.15
Feb. 2.	To carfare	\$0.10
4.	carfare .....	.05
16.	carfare .....	.10
20.	carfare .....	.10
23.	carfare .....	.10
		<hr/>
		\$0.45

		To cash paid L. A. O'Connor for carfare, assessors' lot plans:	
Mar.	8.	To carfare	\$0.20
	9.	carfare .....	.15
	10.	carfare .....	.10
	11.	carfare .....	.25
	12.	carfare .....	.25
	13.	carfare .....	.10
	14.	carfare .....	.20
	15.	carfare .....	.25
	16.	carfare .....	.10
	18.	carfare .....	.10
			<hr/>
			\$1.70
		To expenses incurred by Spaulding-Jones bill:	
Feb.	26.	City engineer, carfare to and from Concord	\$0.70
		Dinner .....	.50
Mar.	13.	City engineer, carfare to and from Concord .....	.70
		H. M. Haskell, carfare to and from Concord .....	.70
		Dinner .....	.75
	19.	City engineer's dinner.....	.50
			<hr/>
			\$3.85
April	27.	To cash paid S. J. Lord for carfare to Lowell and return, March 26	\$1.14
		dinner .....	.55
		fare from Concord, March 27..	.20
		lunch .....	.40
		express paid March 29.....	.25
		express paid H. M. Young, March 30 .....	.20
		G. W. Wales for sharpening axes, April 1.....	.50
		H. M. Young, express on typewriter, April 2.....	.50
		L. A. O'Connor, carfare.....	.55
		carfare .....	.10
			<hr/>
			\$4.39
May	3.	To cash paid G. W. Wales for soap	\$0.25
		cash paid H. M. Young for carfare .....	.40
			<hr/>
			\$0.65
June	11.	To cash paid H. A. Worthen for carfare	\$0.10
		express .....	.45
			<hr/>
			\$0.55

Aug. 24.	To cash paid H. M. Young for carfare	\$0.40	
	G. W. Wales for carfare.....	.10	
	carfare .....	.10	
	H. M. Young, for express on cutter .....	.30	
			\$0.90
Sept. 21.	To cash paid H. M. Young for one bottle ink eradicator.....	\$0.25	
	H. M. Young for carfare.....	.30	
	H. M. Young for 2 drinking glasses .....	.10	
	A. T. Dodge for carfare.....	.30	
	carfare .....	.30	
			\$1.25
Oct. 26.	To cash paid G. W. Wales for soap	\$0.25	
	cash paid L. A. O'Connor for carfare .....	.40	
	cash paid H. A. Worthen for carfare .....	.10	
	cash paid H. M. Young for carfare .....	.20	
	cash paid H. M. Young for express .....	.25	
	cash paid for carfare.....	.40	
			\$1.60
Dec. 19.	To cash paid H. M. Young for express	\$0.65	
	cash paid A. T. Dodge for express .....	.15	
	cash paid for express.....	.40	
			\$1.20

GEORGE W. WALES.

Dec. 21.	To 90 days' service at \$3.00 per day	\$270.00	
	222 days' service at \$3.30 per day	732.60	
	13 hours' extra service at 40c. per hour	5.20	
	279 hours' extra service at 44c. per hour	122.76	
			\$1,130.56

HARRIE M. YOUNG.

Dec. 21.	To 255 days', 7 hours' service at \$3.00 per day	\$767.80	
	17 hours' extra service at 40c. per hour	6.80	
			\$774.60

ANNUAL OFFICIAL REPORTS.

HARRY J. BRIGGS.

Dec. 21. To 312 days' service at \$2.75 per day	\$858.00	
26 hours' extra service at 36 $\frac{2}{3}$ c. per hour	9.51	
		<hr/>
		\$867.51

ALFRED T. DODGE.

Dec. 21. To 90 days' service at \$2.25 per day	\$202.50	
222 days' service at \$2.50 per day	555.00	
11 hours' extra service at 30c. per hour	3.30	
51 $\frac{1}{2}$ hours extra service at 33 $\frac{1}{3}$ c. per hour.....	17.16	
		<hr/>
		\$777.96

HENRY A. WORTHEN.

Dec. 21. To 132 days' service at \$2.00 per day	\$264.00	
175 days' service at \$2.25 per day	393.75	
8 hours' extra service at 26 $\frac{2}{3}$ c. per hour	2.12	
18 hours' extra service at 30c. per hour	5.40	
		<hr/>
		\$665.27

HAROLD M. HASKELL.

Dec. 21. To 89 days' service at \$2.25 per day	\$200.25	
58 days' service at \$2.50 per day	145.00	
12 hours' extra service at 28c. per hour	3.36	
4 $\frac{1}{2}$ hours' extra service at 33 $\frac{1}{3}$ c. per hour	1.50	
		<hr/>
		\$350.11

REUBEN HAYES.

Sept. 21. To 107 days' service at \$2.25 per day	\$240.75	
7 hours' extra service at 30c. per hour	2.10	
		<hr/>
		\$242.85

ENGINEER'S DEPARTMENT.

455

JOSEPH A. DUSSEAULT.

Mar. 19.	To 79 days' service at \$1.25 per day	\$98.75	
	1 hour extra service at 16 $\frac{2}{3}$ c.		
	per hour .....	.17	
		<hr/>	\$98.92

LAWRENCE A. O'CONNOR.

Dec. 21.	To 86 days' service at \$1.25 per		
	day	\$107.50	
	187 days', 3 $\frac{1}{2}$ hours' service at		
	\$1.50 per day	281.20	
	2 hours' extra service at 20c.		
	per hour .....	.40	
		<hr/>	\$389.10

JOHN J. MCALLISTER, JR.

Dec. 21.	To 88 days' service at \$2.00 per		
	day	\$176.00	
	203 days' service at \$2.25 per		
	day	456.75	
	18 $\frac{1}{2}$ hours' extra service at		
	26 $\frac{2}{3}$ c. per hour	4.95	
	80 $\frac{1}{2}$ hours' extra service at		
	30c. per hour	24.15	
		<hr/>	\$661.85

MARTIN FERRY.

Dec. 21.	To 5 days' service at \$1.50 per day.....	\$7.50
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WILLIAM S. BASCOM.

Dec. 21.	To 5 days' service at \$2.25 per day.....	\$11.25
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GEORGE R. PRINCE.

Dec. 21.	To labor, 6 days at \$2.00 per day.....	\$12.00
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SAMUEL J. LORD.

Dec. 21.	To 3 months' salary as city engi-		
	neer	\$337.50	
	3 months' team hire.....	37.50	
	9 months' salary as chief en-		
	gineer, $\frac{1}{2}$ paid from appro-		
	priation for engineer's de-		
	partment	\$25.03	
		<hr/>	\$1,200.03

Total expense engineer's department for 1907.....	\$9,000.00
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SUMMARY.

Appropriation to the engineer's department for the year 1907	\$9,000.00	
Expenses of the engineer's department for the year 1907.....		\$9,000.00
	<hr/>	<hr/>
	\$9,000.00	\$9,000.00

ASSESSORS' LOT PLANS.

One hundred blue prints have been turned over to the board of assessors for the year 1907. These plans exhibit a total of 2,904 lots, comprising an area of 31,615,848 square feet or 725.80 acres. (Streets, highways, lanes, back streets, alleys and avenues are not included in these areas.)

	1905	1906	1907	TOTAL
Number of plans.....	200	100	100	400
Number of lots.....	4,951	2,578	2,904	10,433
Area in acres.....	1,201.71	836.07	725.80	2,763.58
Cost of labor	\$1,133.15	\$557.96	\$767.04	\$2,458.15
Cost of team.....	23.00	25.20	49.80	98.00
Cost of stock.....	53.78	35.00	37.30	126.08
Total cost	1,209.93	618.16	854.14	2,682.23
Average cost per plan.....	6.05	6.18	8.54	
Average cost per acre.....	1.00	.74	1.17	
Average cost per plan for 1905, 1906, and 1907.....				6.75
Average cost per acre for 1905, 1906, and 1907.....				0.97

The above statement includes labor, both field and office.

ORDERS.

Assessors' lot plans (field orders).....	5
Assessors' lot plans (office orders).....	300
Board of mayor and aldermen (meetings).....	6
Board of examiners of plumbers.....	8
Committee on streets.....	20
Committee on sewers and drains.....	7
Petitions for new highways.....	24
Petitions for highway grade.....	35
Petitions for new sewers.....	27
Table No. 34 (street signs).....	173
Table No. 35 (highway bounds).....	71
Table No. 36 (levels for profile).....	72
Table No. 36 (plans and profiles).....	71
Table No. 37 (levels for profiles, sewers).....	1
Table No. 37 (preliminary plans, sewers).....	2

Table No. 38 (miscellaneous orders, field).....	216
Table No. 38 (miscellaneous orders, office).....	6
Table No. 39 (cemetery orders, office).....	5
Table No. 39 (cemetery orders, field).....	22
Table No. 40 (street and park commission orders).....	341
Table No. 42 (street numbers).....	69

Total	1,481
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FIELD WORK.

Levels for profile for establishing grades (length in feet)	206,885
for sewer profiles (length in feet).....	1,155
Other levels (length in feet).....	11,610

Total length of levels in feet.....	219,650
Cross-section levels, Varney school yard (area in sq. ft.)	4,000
Surveys of streets and street lines (length in feet).....	67,370
in Pine Grove cemetery (length in feet).....	602
for street numbers (length in feet).....	10,618
miscellaneous (length in feet).....	2,700

Total length of surveys in feet.....	81,290
Street lines marked on ground (length in feet).....	19,426
Lot and avenue lines, Pine Grove cemetery (length in ft.)	7,910
Lines for gutters (length in feet).....	7,010
Lines for curbs (length in feet).....	21,654
Lines for sewers (length in feet).....	10,370
Lines for building streets (length in feet).....	50,303
Other lines (length in feet).....	8,612

Total length of lines marked on ground.....	125,285
Grades set for sidewalks (length in feet).....	22,465
gutters (length in feet).....	7,010
curbs (length in feet).....	21,654
sewers (length in feet).....	10,570
building streets (length in feet).....	50,303
Pine Grove cemetery (length in feet)...	2,140
other purposes (length in feet).....	5,717

Total length in feet of grades set.....	119,859
Number of new lots staked out in Pine Grove cemetery..	153
Number of old lots restaked in Pine Grove cemetery....	106

Total number of cemetery lots staked out.....	259
Highway bounds set.....	65
Highway bounds reset.....	6

BATTERS SET.

Calef road, culvert at Pine Grove cemetery.
 Pine Grove cemetery, William Corey's tomb.
 Willow street, bridge at Cohas brook.

OFFICE WORK.

SEWER PLANS AND PROFILES.

Auburn, Pine to Union.
 Hosley, Summer to Grove.
 Knowlton, Hayward southerly.
 Mammoth road, Longwood avenue to Candia road. Profile.
 Myrtle, east of Bedford block, cross lot sewer.
 Oakland avenue, Mammoth road to Revere avenue.
 Shoe shop, Mammoth road to Hall road.
 Thayer, Elm to River road.
 Thornton, Janelle avenue to Putnam. Profile.
 Union, Auburn to Merrimack.
 Total sewer plans and profiles, 10.

NUMBERING PLANS.

Barry avenue, Cedar to Lake avenue.
 Batchelder avenue, Hayward to Harvard.
 Garmon, Hanover to Amherst.
 Gertrude, Hanover to Amherst.
 Kenney, Auburn to Lake avenue.
 Salisbury, Hanover to Amherst.
 Wayne south back, Main to McGregor.
 Total numbering plans, 7.

MISCELLANEOUS PLANS.

Alpine, Clement, Whittier, Avon, Forest, Bismarck, Sylvester, Milford, Ingalls, Dickey, Revere and Mast streets and Rockland avenue, land of Adam Dickey.
 Ashland and Concord streets, Chandler school lot.
 Bald Hill road, land of A. F. Renfrew.
 Belmont, Hall and Somerville streets, Somerville-street engine-house lot.
 Chauncey avenue and Merrimack river, land of C. B. Littlefield.
 Donald street, land of William Cooper.
 Edmond, Davignon, Goffstown, Frank, Roosevelt, Pinard, Richmond, *Boston, Agnes, Sherbrooke, Montreal, Henriette and Theophile streets, City avenue and Mast road, land of Edmond Pinard.
 First, Second, Third, Fourth, Fifth, Sixth and Seventh avenues, Eve, Albert, Roosevelt, Boston and Arizona streets, Summit boulevard and River road, "North End Park."

Hall and Central streets and Lake avenue, East Side park.

Hall and Mammoth roads and C. & P. R. R., proposed shoe shop lot of Manley E. Clough.

Highland and Wilkins streets and Mast road, land of H. A. Tirrell.

Lexington and Madison avenues, Barelay and Murray streets, Park place and Candia road, "Candia Heights," land of Charles A. Hoitt.

Lincoln and Vinton streets, land of R. P. Stevens.

Main South and Merrimack river, land of John K. McQuesten.

Main South, Wheelock, Hale, Second, Bell and Schiller streets, proposed park.

Nelson street, Mammoth road, Huntington, Grand and Revere avenues and C. & P. R. R., land of Platts and Dodge.

Savage, Ward, Palmer, Edgar and Ted streets and River road, "Pine park," land of Sarah M. Palmer.

Union, Norfolk and Beech streets and Elizabeth avenue, land of Mrs. Nettie E. Sweatt.

Union street, land of J. R. Weston.

Willard, Cross, Glen, Wolfe, Athens and Larch streets, Huntington, Grand, Portsmouth and Lake avenues, Mammoth road and C. & P. R. R., "Manchester Heights."

Willow, Pine and Clay streets, land of B. P. Cilley estate.

Willow, Maple and Vinton streets, land of R. P. Stevens.

Total miscellaneous plans, 24.

WORKING PLANS.

Amory, Morgan westerly. Profile.

Arlington, Russell to Linden. Profile.

Auburn, passageway to Hall road. Profile.

Auburn, Hanover, Elm and Maple. Sectional plan.

Belmont, Silver to north of Harvard. Profile.

Brook, Maple to Oak. Profile.

Calef road, Welch avenue northerly. Profile.

Central south back, Pine to Union. Profile.

Central south back, West, Franklin west back westerly. Profile.

Chestnut, Harrison to Blodget. Profile.

Cilley road, Jewett east and west. Center profile.

Clay, Union to Beech. Profile.

Clay, Wilson to Hall. Profile.

Cleveland, Second to Blaine. Profile.

Conant, Quincy westerly. Profile.

Conant road, Corning road easterly. Plan and profile.

Corning road, Conant road north and south. Plan and profile.

Cypress and Auburn streets and Hall road, Elliot Hospital lot, Plan.

Dix, Maple to Lincoln. Profile.

Dubuque east back, Putnam to top of bluff. Profile.

Dubuque east back, Amory to Kelley. Profile.

- Fifth Avenue lane, Cedar to Spruce. Profile.
Franklin, Depot to Granite. Profile.
Franklin, West Merrimack to West Central. Profile.
Franklin west back, West Central to Depot. Profile.
Gold, Calef road to Beech. Profile.
Granite, Hampshire lane to Franklin. Profile.
Hall road, Nelson to Lake avenue. Two profiles.
Hampshire lane, Mechanic to Water. Profile.
Hanover, Pine to Union. Profile.
Hayward, Maple to Lincoln. Profile.
Howe, Maple to Lincoln. Profile.
Hubbard, Amherst to Concord. Profile.
Jewett, Cilley road east and west. Profile.
Londonderry lane, Pine to Beech. Profile.
Main, Wayne to Amory. Profile.
Main South, Blaine to north of Milford. Profile.
Manchester, Chestnut to Beech. Profile.
Maple, Silver to Willow. Two profiles.
Mast, Bowman to William. Profile.
Merrimack south back, Pine to Union. Profile.
Monadnock lane, Pine to Union. Profile.
Monroe, Elm to River road. Profile.
Myrtle, Elm to Pine. Two profiles.
Nicolet lane, Main to McGregor. Profile.
North, Chestnut to Pine. Profile.
Orange, Elm to Chestnut. Profile.
Pearl, Russell to Ashland. Two profiles.
Pearl south back, Ashland to Morrison. Profile.
Pine, Willow to Hayward. Two profiles.
Pine, Central to Hanover. Three profiles.
Pine, Sagamore to North. Profile.
Pine west back, High to High south back. Profile.
Pine Grove cemetery, Mitchell southerly. Plan of brook.
Pine Grove cemetery, Birch and Chapel avenues. Profile.
Pine Grove cemetery, Lakeside lawn. Cross section plan.
Prescott, Maple to Lincoln. Profile.
Reed east back, Amory to Kelley. Profile.
Riddle, Mast to Milford. Profile.
Rimmon, Bremer to Coolidge avenue. Profile.
River road, West North to West Webster. Profile.
Shasta, Beech to Lincoln. Profile.
Silver, Maple to Lincoln. Profile.
Spruce, Fifth Avenue lane east and west. Profile of curb on south side.
Spruce south back, Manhattan lane to Fifth Avenue lane. Profile.
Union, Valley to Grove. Profile.
Union, East Spruce to Central. Profile.

Union, Manchester to Hanover. Profile.
 Union, Lowell to High. Profile.
 Valley, Taylor to Cypress. Profile.
 Varney school, cross-section of school lot. 1 plan, 2 profiles.
 Warren, Bridge to Pearl. Profile.
 Wayne south back, Bridge to McGregor. Profile.
 Webster, Clarke, Union and Chestnut streets. Sectional plan.
 Wentworth, West Hancock to Schiller. Profile.
 West Hancock, Second to Wentworth. Profile.
 Willow, Harvey road northerly. Plan and profile.
 Wilson, Spruce to Lake avenue. Profile.

Total working plans, 87.

TRACINGS.

Amory, Bartlett and M. & N. W. R. R., land of R. N. Whittemore, for Board of Assessors.

Elm and River road, showing location of proposed sewer.

Manchester Traction, Light & Power Company, showing location of poles. Thirty-two tracings.

New England Telephone & Telegraph Company, showing location of poles. Forty-five tracings.

Silver, Maple to Lincoln, showing location of tracks and overhead bridge, for road hearing.

Willow, at Cohas brook, profile for bridge.

Total tracings, 81.

BLUE PRINTS.

Brown avenue, Mill avenue southerly. Two prints.

Candia Heights, land of Charles A. Hoitt. Two prints.

City of Manchester. Three prints.

City of Manchester, east side sewers. Five prints.

City of Manchester, west side sewers. Five prints.

Detail plan of catch basin curbs. Twenty-eight prints.

Detail plan of catch basin grates. Two prints.

Detail plan of corner curbs. Fifteen prints.

Detail plan of manhole covers. Two prints.

Detail plan of manhole frames.

Elm street and River road showing location of proposed sewer. Two prints.

Merrimack river, Granite bridge to site of proposed dam. Three prints.

Pine Grove cemetery, Hillside and Lakeview lawns.

Silver, Maple to Lincoln, showing tracks and overhead bridge. Three prints.

Uncanoonuc Mountain, land of Uncanoonuc Incline Railway and Development Company. Three prints.

Willow street at Cohas brook, profile for bridge. Two prints.

Total blue prints, 79.

ASSESSORS' PLANS.

Working plans, brown paper, 100.
 Unfinished, 11.
 Tracings, 100.
 Blue prints, 100.
 Total, 300.

SUMMARY.

Plans and profiles (sewer).....	10
Numbering plans	7
Miscellaneous plans	24
Working plans	87
Tracings	81
Blue prints	79
Assessors' plans	300
Sewer book (whole sheets).....	2
Sewer book (part sheets).....	120
City clerk's highway book.....	20
Total	730

Six tracings showing city sewers have been brought up to date.

Maps brought up to date, 5.

Plans brought up to date, 22.

Plans made for establishing grade on laid out streets, 74,790 feet.

Plans made for establishing grade on streets not laid out, 21,870 feet.

Total, 96,660 feet.

Lot owners looked up, 19,920 feet.

SEWER LICENSES.

At a meeting of the board of mayor and aldermen, November 19, 1897, the city engineer was instructed "to examine the books in his office and present to said board a list of property owners who had neglected to pay the license fee required by the city laws and ordinances for entrance to the city sewers."

The records were examined and a list compiled, giving the name of the property owner, the location of the lot, the street frontage, and the license fee due upon each and every piece of occupied property within one hundred feet of a public sewer.

The said list was given in hand to the city clerk, as clerk of the board of mayor and aldermen.

The list comprised 1,017 names, and a notice was sent to each one by the city clerk. A summarized statement of the ground covered to January 1, 1908, follows, viz.:

Number of names January 1, 1898.....	1,017
Paid during 1898.....	277
Granted free during 1898.....	76

Paid prior to 1898, located during the year..	121	
Paid during 1899.....	24	
Granted free during 1899.....	12	
Paid during 1900.....	2	
Not connected	1	
Paid during 1901.....	2	
Granted free during 1901.....	1	
Paid during 1902.....	2	
Paid during 1903.....	3	
Paid during 1904.....	4	
Paid during 1906.....	1	
Paid during 1907.....	3	
Granted free during 1907.....	1	
Paid prior to 1898, not located.....	60	
Paid previously	3	
Paid in part.....	1	
Covered by old permit.....	1	
Not recorded paid, receipts shown.....	5	
Recorded paid, no record of cash received...	2	
Claims to have paid, no record.....	1	
Licenses taken out, not paid.....	17	
Not heard from.....	397	
		<hr/>
Total number not settled, January, 1908.....	487	
		<hr/>
	1,017	1,017
Number of licenses granted new sewer enterers during 1907..	98	
Number of sewer licenses granted delinquent sewer enterers during 1907	3	
Number of free licenses granted delinquent sewer enterers during 1907	1	
		<hr/>
Total number of licenses granted during 1907.....	102	
Amount of money recorded as collected from three delinquent sewer enterers during 1907.....	\$51.17	
Amount of money recorded as collected from new sewer enterers during 1907.....	1,370.96	
		<hr/>
Total amount of money collected during 1907.....	\$1,422.13	
All moneys are collected by the city clerk.		

STREET NUMBERS.

Figures on hand January 1, 1907.....	596	
Figures ordered during 1907.....	1,752	
Letters ordered during 1907.....	71	
Figures used during 1907.....		679

Letters used during 1907.....		8
Figures on hand January 1, 1908.....		1,669
Letters on hand January 1, 1908.....		63
	2,419	2,419
Numbers assigned during 1907.....		195
Numbers replaced during 1907.....		52
Numbers changed during 1907.....		8
Total		255

The expense of street numbers is charged to the appropriation for the engineer's department. (See financial report under Manchester Hardware Company.)

STREET SIGNS.

See Cost Record, Table No. 32. (Size of sign 26 x 5 inches, pine, painted white with black letters, sign reads on both sides.)

HIGHWAY BOUNDS.

See Cost Record, Table No. 29.

Concrete bounds were used in 1905, 1906, and 1907 and having proven satisfactory their use will be continued. The bound is 42 inches long, by 6 inches square; the letters E. D. show in the exposed end of bound. In the center of this end there is also a depression $\frac{5}{8}$ inch and $2\frac{1}{2}$ inches in diameter; the bound is reinforced by a $\frac{3}{8}$ inch iron rod through the center of the bound lengthwise, the one end of which is upset to $\frac{1}{2}$ inch diameter rounded and projects out of the depression about $\frac{1}{2}$ inch, the center of this rounded end is prick-pointed and can be used for instrument point and bench mark.

COAL TAR PAVING.

Tables Nos. 1, 2, 3, 4, 5, 6, and 7 give the location, number of square yards, price per square yard, total cost and date when measured of all coal tar "concrete" laid during the year as follows: Table No. 1, street crossings (new); Table No. 2, street crossings (repairs); Table No. 3, sidewalks (new); Table No. 4, sidewalks (repairs); Table No. 5, street paving (new); Table No. 6, street paving (repairs); Table No. 7, miscellaneous work; Table No. 8, summary of Tables Nos. 1, 2, 3, 4, 5, 6, and 7.

ABSTRACT REPORT OF THE COMMITTEE ON STREETS FOR THE YEAR 1907. PERSONNEL OF THE COMMITTEE.

Alderman from ward 7, Robert Edgar, chairman.

Alderman from ward 1, Ernest W. Wiesner.

Alderman from ward 4, Albert T. Barr.

Clerk of the committee, Samuel J. Lord.

Tables Nos. 9, 10, 11, 12, 13, and 14 have been compiled to be used in the annual report of the engineer's department in lieu of citing the record of the committee on streets in detail. The tables give information pertaining to the petitions that have been acted upon by the committee during the year 1907, also highways laid out, widened and straightened, and grades ordered established by the board of mayor and aldermen during the year.

Table No. 9 is a list of the petitions for new highways that have been acted upon by the committee during the year.

Table No. 10 is a list of the petitions for establishing grades that have been acted upon by the committee during the year.

Table No. 11 is a list of miscellaneous petitions that have been acted upon by the committee during the year.

Table No. 12 is a list of highways that have been laid out by the board of mayor and aldermen during the year.

Table No. 13 is a list of highway grades ordered established by the board of mayor and aldermen during the year.

Table No. 14 is a list of miscellaneous petitions that have been acted upon by the board of mayor and aldermen during the year.

Distances are given in feet.

ABSTRACT REPORT OF THE COMMITTEE ON SEWERS AND DRAINS FOR THE YEAR 1907.

PERSONNEL OF THE COMMITTEE.

Alderman from ward 3, Fred O. Parnell, chairman.

Alderman from ward 4, Albert T. Barr.

Alderman from ward 5, Richard J. Barry.

Clerk of the committee, Samuel J. Lord.

Tables Nos. 15, 16, 17, 18, 19, 20, and 21 have been compiled to be used in the annual report of the engineer's department in lieu of citing the records of the committee on sewers and drains in detail. The tables give information pertaining to the petitions, orders for sewers passed by the city councils, sewers built and not built up to January 1, 1908.

Table No. 15 is a list of petitions that have been acted upon during the year, also the manner in which and date when each petition was acted upon and disposed of by the committee.

Table No. 16 is a list of sewers ordered in up to January 1, 1907, giving the distances built, distances built in excess of order, and distances remaining unbuilt up to January 1, 1908.

Table No. 17 is a list of sewers ordered built during the year 1907, giving distances built, distances ordered in that are unnecessary, and distances remaining unbuilt up to January 1, 1908.

Table No. 18 is a list of sewers built in 1907 not ordered in by the board of mayor and aldermen.

Table No. 19 is a list of pipe removed where sewers have been rebuilt.

Table No. 20 is a list of sewers ordered in but not built up to January 1, 1908; this table is compiled from the first, second, fourth, and eighth columns of Tables Nos. 16 and 17.

Table No. 21 is a summary of Tables Nos. 16 and 17.

Distances are given in feet.

SEWERAGE SYSTEM.

Table No. 22 gives the location, material, size, length, manholes new, manholes rebuilt, lampholes new, lampholes removed, house connections and cesspool connections built during the year 1907.

Table No. 23 gives the material, size and length of all public sewers in the city of Manchester January 1, 1908. This table gives the total length in feet of each size of sewer and the number of manholes on each size, also total length in feet and miles of each material.

Table No. 24 is a summary of the sewerage system by years from January 1, 1880, to January 1, 1908. It gives the length in miles constructed and cost each year, also the average cost per mile for each year. The third column gives the number of miles constructed to date each year. It is noted that on January 1, 1880, there were 17.06 miles constructed, the cost not being recorded. January 1, 1890, there were recorded 2,003 house connections; beginning with this date columns four and five give the number of connections recorded each year and the total number recorded to date each year.

ABSTRACT REPORT OF THE BOARD OF EXAMINERS OF PLUMBERS.

In accordance with an act (chapter 55, Laws of 1899) passed by the New Hampshire state legislature, entitled "An act authorizing the examination of plumbers and regulating the practice of plumbing and house drainage," a board of examiners of plumbers was appointed by the mayor as follows: William K. Robbins of the board of health, Christian L. Wolf, a master plumber, and Samuel J. Lord, city engineer (William K. Robbins, president; Samuel J. Lord, clerk).

Following is a statement of the expenditures of the board for the year 1907:

W. P. GOODMAN.

1907.

Feb. 11.	To 1 box typewriter paper.....	\$2.00	
July 12.	1/2 box typewriter paper.....	1.00	
Dec. 16.	2 boxes typewriter paper @ \$2	4.00	
			<hr/>
			\$7.00

PIKE & HEALD CO.

Mar. 23.	To 23 lbs. wiping solder @ 28c....	\$6.44	
27.	repairing gasoline furnace....	.75	
			<hr/>
			\$7.19

ENGINEER'S DEPARTMENT.

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July 10.	To 2½ gals. gasoline @ 25c.....		\$0.63
31.	2 4" brass ferrules @ 75c....	\$1.50	
	1 hub end light soil pipe, 4"..	.24	
	1 hub end light soil pipe, 4"..	.60	
	27⅞ lbs. block tin @ 50c.....	1.44	
		-----	\$3.78
Sept. 13.	To 1 hub end light soil pipe.....		\$0.22
24.	26½ lbs. 1¼" lead pipe @ 9½c.	\$2.52	
	20" by 4" light soil pipe, hub end, @ 26c. per foot.....	.43	
	1 4" brass ferrule.....	.75	
25.	16 lbs. wiping solder @ 28c..	4.48	
Oct. 15.	61 lbs. 4" lead pipe @ 9c.....	5.49	
	1 4" brass ferrule.....	.75	
	24 lbs. wiping solder @ 28c...	6.72	
	2 gals. gasoline @ 25c.....	.50	
		-----	\$21.64
Dec. 18.	To 48⅝ lbs. lead pipe @ 8c.....		\$3.89

TEMPLE & FARRINGTON CO.

April 12.	To binding 1 book, board of examiner of plumbers		\$0.85
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JOHN B. CLARKE COMPANY.

May 28.	To printing 8 pages (board of examiners of plumbers' report in city engineer's re- port) @ 60c. page.....		\$4.80
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SUMMARY.

Appropriated to the board of examiners of plumbers for the year 1907.....		\$50.00
Expenses of the board during the year.....	\$50.00	
	\$50.00	\$50.00
Renewal fees received for 24 plumbers' certi- ficates @ 50c. each (a renewal fee of 50c. per certificate is required by the state law)	\$12.00	
Renewal fees received for 20 plumbers' li- censes @ 50c. each (required by law).....	10.00	
Examination fee for 8 plumbers' licenses @ \$1.00 each (required by law).....	8.00	
Paid to city treasurer (the state law requires all fees to be paid into the city treasury)..		\$30.00
	-----	-----
	\$20.00	\$30.00

Table No. 25 gives the name, address, and number of the application of each and every person making renewal application to the board for a plumbers' certificate. This table also gives the class of the certificate (master or journeyman), the number of the certificate, the date of renewal and expiration of the certificate, also the renewal fee paid by the applicant.

Table No. 26 gives the name, address, and number of the application of each and every person making renewal application to the board for a plumber's license. This table also gives the class of the license (master or journeyman), the number of the license, date of renewal, and expiration of the license, and also the renewal fee paid by the applicant.

Table No. 27 gives the name, address and number of application of each and every person making application to the board for a plumber's license. This table also gives the class of the license (master or journeyman), the number of the license, date of issue, and expiration of the license, also fee paid by the applicant.

Table No. 28 is a summary of Tables Nos. 25, 26, and 27.

COST KEEPING.

The time book as kept by this office exhibits a complete record by days of each employee and the particular or several jobs each was engaged upon for each day during the year. This method has been in vogue since this department was created and will be continued.

In 1905 a new method (in this office) of keeping orders was begun, a card 4 x 6 inches being used, setting forth the nature of the order, date ordered, date done, and by whom done, transit and level book and plan references (for convenience), and each card numbered. This method was originally intended to do away with the many inconveniences due to keeping orders in an order book. Beginning in May, 1906, the cost keeping feature was added. This last method has proved satisfactory beyond expectation, a brief description of which follows:

Size of all cards, 5 x 8 inches; they are divided at the present time into eight classes of work, street and park commission (cards or orders), embracing all work done by this office for the street and park commissioners, which includes all street, sewer and park work, and might properly be designated location and construction engineering.

Chief engineer (cards or orders) include all preliminary office and field work, street surveys, levels for profile, cross-sections, estimates, plans, details, etc., for the street and park commission and individuals.

Miscellaneous (cards or orders) include the setting of all sidewalk grades, staking out street lines for abutters on highways and for the staking out of sidewalk construction for any property owner or contractor.

Cemetery (cards or orders) include all preliminary, location, and office work done for cemeteries.

Highway bounds (cards or orders) include the work of setting bounds, but does not include the location of the points. This part of the work is done under chief engineer (cards or orders).

Street signs (cards or orders) include street sign work.

Street numbers (cards or orders) include measuring for street numbers, making numbering plans, assigning and putting on numbers.

Assessors' (cards or orders) include all work (field or office) on the assessors' lot plans.

The assessors' cards are of two kinds, one 5 x 8 inches, the other 8 x 10 inches, folded to the size of 5 x 8 inches. The inside of the folded card is divided similar to a transit book page and is used for all surveys and field work for the assessors, and is used as a loose leaf field book. One half of the back of this card is used for the cost record, and the other half is divided similar to the chief engineer cards; the 5 x 8 inches card is divided the same as the outside of the folded cards and is used for "assessors' office work"; that is, making working plans, tracings, blue prints, etc.

Under office work "stock" includes all drawing materials; under field work "stock" includes stakes, hubs, tacks, etc. Each "team" is charged in the cost record at 20 cents per hour (based on 312 $7\frac{1}{2}$ -hour days per year).

This price will cover cost, repairs, keeping, interest, and replacing new every ten years.

Table No. 29 is a list of highway bounds set and reset during 1907, giving the location, material (concrete or granite) new or reset, cost of labor, team, stock (cost of bound) and total cost per bound; also average cost of concrete bounds and granite bounds.

Table No. 30 is a detailed statement of levels for street profiles and plan and profile work done under chief engineer cards or orders. This table gives the location and limits of the several jobs, the length or distance covered, the number of lines of levels taken, the equivalent distance (under total distance) of a single line of levels, the cost of labor, team and total cost of field work, the cost of labor, stock and total cost of office work, and the total cost of field and office work of each job. This table is given in detail in order to show the actual cost of field and office work of each job.

Table No. 31 is a summary cost record of the cost of work done under miscellaneous (cards or orders), giving the number of orders, the location and description of work, the party or parties ordering the work done, the cost of labor, team, stock and total cost of field work, the cost of labor, stock and total cost of office work, and the total cost of field and office work.

Table No. 32 is a summary cost record of street sign work, giving the number of signs put up, cost of labor, team, stock and total cost; also footnotes, giving the average cost per sign of labor, team, stock and total average cost per sign.

Table No. 33 is a summary of street number orders, giving the num-

ber of orders, cost of labor, team, stock, and total cost of street number work. This does not include street number figures given out at the counter. (See matter under street numbers.)

Table No. 34 is a summary cost record of the cost of cemetery work, giving the number of orders for each cemetery where work was done, the cemetery, the cost of labor, stock and total cost of office work done for each cemetery, the cost of labor, team, stock and total cost of field work, and the total cost of office and field work for each cemetery. This work is done under cemeteries (cards or orders).

Table No. 35 is a summary cost record of work done under street and park commissioners (cards or orders), giving the number of orders, description of work, cost of labor, team, stock and total cost for each kind of work, as noted under description of work. Following this table is given the cost of labor, team, stock and total cost of preliminary field and office work and cost of location field work and finished plans (estimated), setting forth the cost of sewer work engineering and giving the percentage of cost of sewer work engineering to sewer work construction.

Table No. 36 is a summary of Tables Nos. 29, 30, 31, 32, 33, 34, and 35, and the unnumbered table under assessors' lot plans.

Total cost of labor for 1907, not including the salary of the chief engineer (not kept on cost cards).....		\$5,989.48
Total cost of labor recorded on all cards....	\$3,363.82	
Cost of labor not recorded on cards but recorded in time book and vacations.....	2,625.66	
	<hr/>	<hr/>
	\$5,989.48	\$5,989.48

TABLE No. 1.
STREET CROSSINGS (New).—ROBIE CONSOLIDATED CONCRETE COMPANY.

STREET.	LOCATION.	Square yards.	Per square yard.	Total cost.	Measured.
Ferry.....	Third street, west side.....	28.777	\$.75	\$21.58	Nov. 20, 1907
Fourth.....	Ferry street, south side.....	26.444	.75	19.83	" 20, 1907
Hampshire lane.....	Mechanic street, north side.....	12.444	.75	9.33	Sept. 18, 1907
Hampshire lane.....	Water street, south side.....	12.444	.75	9.33	" 18, 1907
Nicolet lane.....	Main street, east side.....	13.377	.50	6.69	Dec. 4, 1907
Taylor.....	Massachusetts street, south side.....	20.444	.75	15.33	Sept. 18, 1907
Walker.....	Fourth street, east side.....	25.777	.75	19.34	Nov. 20, 1907
		139.707		\$101.43	

TABLE No. 2.
STREET CROSSINGS (Repairs).—ROBIE CONSOLIDATED CONCRETE CO.

STREET.	LOCATION.	Square yards.	Per square yard.	Total cost.	Measured.
Ash east back	Lowell street, north side.....	10 666	\$0.75	\$ 7.99	May 17, 1907
Bay east back	North street, north side.....	10 833	.50	5.42	Dec. 4, 1907
Franklin west back	West Central street, south side.....	14 000	.50	7.00	Dec. 4, 1907
Hampshire lane.....	West Central street, north side..	19 722	.50	9.86	Sept. 18, 1907
Nutfield lane.....	Concord street, south side	24 444	.50	12.22	May 17, 1907
Seneca lane.....	Chestnut street, east side	22.222	.50	11.11	May 17, 1907
Turner	Granite street, north side	9.777	.35	3.42	Nov. 20, 1907
		111.664		\$57.02	

TABLE No. 3.
SIDEWALKS (New).—ROBIE CONSOLIDATED CONCRETE COMPANY.

LOCATION.	LIMITS.	Square yards.	Per square yard.	Total cost.	Measured.
Franklin west back	East side, West Central, southerly.....	12 972	\$0.50	\$6.49	Dec. 4, 1907
Franklin west back	West side, West Central, southerly.....	8 613	.50	4.31	Dec. 4, 1907
		21 585		\$10.80	

TABLE No. 4.
SIDEWALKS (Repairs).—ROBIE CONSOLIDATED CONCRETE CO.

LOCATION.	LIMITS.	Square yards.	Per square yard.	Total cost.	Measured.
Bacon.....	Laurel street, southwest corner.....	1,000	\$0 30	\$0 30	July 16, 1907
Belmont.....	Central street, southeast corner.....	2,666	0 80	0 80	16, 1907
Central.....	Union street, northwest corner.....	7,500	30	2 25	" 16, 1907
" West.....	Union street, southwest corner.....	8,555	.25	1 00	June " 18, 1907
Elm, west side.....	Franklin west back street, southeast corner.....	14,663	.50	2 13	Dec. " 4, 1907
Granite, north side.....	Franklin west back street, southwest corner.....	3,800	.50	1 90	June " 18, 1907
Green, west side.....	West Cedar street, southerly.....	80,330	.50	40 16	Nov. " 20, 1907
Granite bridge.....	Turner street to Granite bridge.....	32,888	.35	11 51	" 20, 1907
Hampshire lane.....	North walk.....	360,611	.20	108 18	Sept. " 18, 1907
".....	Granite street, northerly.....	7,027	.50	3 51	" 18, 1907
".....	Mechanic street, northwest corner.....	2,605	.50	1 30	Dec. " 18, 1907
Lake avenue.....	Water street, southwest corner.....	2,606	.50	1 33	" 18, 1907
Laurel.....	Pine street, southwest corner.....	3,333	.50	1 67	Dec. " 4, 1907
Manchester.....	Milton street, southwest corner.....	1,333	.30	0 40	July 16, 1907
McGregor.....	Union street, southwest corner.....	7,068	.35	2 47	Sept. " 4, 1907
".....	Nicolet lane, northwest corner.....	1,667	.50	1 84	Dec. " 16, 1907
Merrimack.....	Nicolet lane, northwest corner.....	3,333	.30	1 00	July " 16, 1907
".....	At house No. 520.....	10,916	.30	3 27	Dec. " 4, 1907
" east side.....	Opposite East Spruce street.....	12,222	.50	6 11	Dec. " 4, 1907
" west side.....	North of Spruce street to Lake avenue.....	10,888	.50	5 44	" 4, 1907
" east side.....	Lake avenue to Central south back street.....	23,165	.35	12 58	" 4, 1907
" east side.....	Central south back street to Central street.....	63,094	.50	22 03	" 4, 1907
" east side.....	Lake avenue to Central south back street.....	37,555	.50	18 78	" 4, 1907
" east side.....	Central south back street to Central street.....	22,777	.50	11 14	" 4, 1907
" east side.....	Lake avenue to Lake avenue south back st.....	22,000	.50	11 00	" 4, 1907
".....	Central street to Laurel south back street.....	30,533	.50	15 26	June " 18, 1907
".....	Laurel south back street to Laurel street.....	105,133	.25	26 28	" 18, 1907
".....	Laurel street to Merrimack street.....	98,700	.25	24 67	" 18, 1907
" west side.....	Laurel street to Merrimack south back street.....	220,630	.35	77 22	Sept. " 18, 1907
" east side.....	Manchester street to Londonderry lane.....	61,164	.35	21 41	" 18, 1907
" east side.....	Londonderry lane to Hanover street.....	28,301	.35	14 15	" 18, 1907
" east side.....	Hanover street, southerly.....	10,080	.35	3 53	July " 16, 1907
		8,926	.60	4 46	
		1,309,119		\$407.12	

TABLE No. 5.
STREET PAVING (New).—ROBIE CONSOLIDATED CONCRETE COMPANY.

LOCATION.	LIMITS.	Square yards.	Per square yard.	Total cost.	Measured.
Pine.....	Spruce st. south side to Lake ave. south side. Lake ave. south side to Central st. south side. Laurel street to Merrimack street.....	552.533	\$1.00	\$552.53	Nov. 20, 1907
Pine.....		533.255	1.00	533.25	" 20, 1907
Union.....		562.022	1.25	711.28	Sept. 18, 1907
		1664.810		\$1897.06	

TABLE No. 6.

STREET PAVING (Repairs).—ROBIE CONSOLIDATED CONCRETE COMPANY.

LOCATION.	LIMITS.	Square yards.	Per square yard.	Total cost.	Measured.
Anherst.....	Elm street to Nutfield lane.....	110.244	\$0.50	\$55.12	May 17, 1907
".....	Vine street, northwest corner.....	28.775	.50	14.38	Sept. 18, 1907
Beech.....	Union street to Beech street.....	48.472	.50	46.73	May 17, 1907
".....	Hanover street, south side.....	14.777	.35	5.17	Sept. 18, 1907
Chestnut.....	Merrimack street to Manchester street.....	5.144	.50	2.57	May 17, 1907
".....	".....	21.072	.35	7.38	Nov. 2, 1907
".....	Manchester street to Hanover street.....	50.722	.35	17.75	" 2, 1907
".....	".....	50.40	.50	25.20	May 17, 1907
".....	Hanover street, south side.....	18.888	.35	6.61	Sept. 18, 1907
".....	" to Amherst street.....	17.272	.50	38.63	May 17, 1907
".....	".....	332.888	.35	9.19	Nov. 2, 1907
Central.....	Concord street to Lowell street.....	7.600	.50	166.44	May 17, 1907
Granite.....	At Maple street.....	4.222	.75	3.70	July 16, 1907
Hanover.....	Main street, east side.....	32.000	.35	1.48	Nov. 2, 1907
".....	Elm street, east side.....	3.000	.50	11.20	Sept. 18, 1907
".....	Chestnut street to Pine street.....	3.000	.50	1.50	May 17, 1907
".....	".....	10.822	.35	1.05	Nov. 2, 1907
".....	Union street to Beech street.....	9.022	.50	5.41	May 17, 1907
".....	".....	19.444	.35	4.51	" 17, 1907
".....	East of Union street.....	6.111	.75	6.81	Nov. 2, 1907
".....	West of Beech street.....	7.800	.35	4.58	July 16, 1907
".....	At Union street.....	290.555	.75	3.62	" 16, 1907
".....	At Merrimack engine house.....	22.044	.50	2.76	" 16, 1907
".....	At Union street.....	14.964	.75	114.77	May 17, 1907
".....	At Maple street.....	21.555	.35	16.53	July 16, 1907
".....	Granite street to M. & N. W. R. R.....	4.000	.35	11.22	" 16, 1907
".....	Union street, east side.....	36.823	.35	7.54	Nov. 2, 1907
".....	Union street to Franklin street.....	106.327	.35	1.40	Sept. 18, 1907
".....	Derryfield lane to Amherst street.....	8.803	.35	12.89	Nov. 2, 1907
".....	".....	27.216	.50	37.21	Nov. 2, 1907
".....	Hanover street to Amherst street.....	15.611	.50	3.08	Sept. 18, 1907
".....	".....	6.120	.50	13.61	" 18, 1907
".....	".....			7.80	May 17, 1907
".....	".....			3.06	" 17, 1907

Pine.....	Central street, south side.....	10.750	\$0.35	\$3.76	Nov.	20, 1907
Kimmon.....	At Fulton engine house.....	22.800	.50	11.40	May	17, 1907
School.....	Main street, southwest side.....	7.444	.50	3.72	Nov.	20, 1907
Union.....	Lake avenue, south side to Central south side..	386.699	.35	135.34	June	18, 1907
"	"	111.733	.75	83.80	"	18, 1907
"	At Central str et.....	81.131	.35	28.39	July	16, 1907
"	Central, south side to Laurel south side.....	86.500	.75	64.87	June	18, 1907
"	"	508.588	.35	177.98	"	18, 1907
"	Laurel street, north side.....	13.877	.35	4.86	Sept.	18, 1907
"	At Laurel street.....	8.000	.75	6.00	"	18, 1907
"	"	198.231	.35	44.88	July	16, 1907
"	"	92.044	.75	16.53	"	16, 1907
"	Hanover street to Amherst street.....	19.755	.50	9.87	May	17, 1907
"	Amherst street to Concord street.....	26.833	.50	13.41	"	17, 1907
"	"	19.427	.50	9.71	"	17, 1907
Vine.....	.....	2,884.610		\$1,287.42		

TABLE No. 9.
PETITIONS FOR NEW HIGHWAYS ACTED UPON BY COMMITTEE ON STREETS DURING 1907.

LOCATION.	LIMITS.	Distance.	Width.	Petition of	Date of petition.	With- drawn.	Granted.
Auburn.....	Passageway to Hall road	230.00	50	James Dinwoodie.....	Aug.	.....	Apr. 26
Bremer.....	Rimmon to Hevey.....	270.00	50	George Blanchet.....	30, 1906	.....	June 29
Cedar south back.....	Union to Beech.....	490.00	20	T. F. Sheehan.....	Nov.	.....	Apr. 20
Cypress.....	Somerville to Clay.....	324.57	50	John J. McAllister, jr.....	May 7, 1907	.....	May 7
Cypress.....	" to Young.....	551.00	50	"	"	.....	May 7
D.....	Mast road to 361.41 feet westerly.....	361.41	40	Albert Whitney.....	21, 1907	.....	Aug. 24
Elm east back.....	Harrison to Brook.....	380.00	20	George A. Brown.....	Aug.	.....	Apr. 20
Gold.....	South Beech to Catet road.....	1,200.00	40	Rev. J. A. Chevalier.....	Nov. 14, 1906	.....	Apr. 20
Kenney.....	Lake avenue to Spruce.....	220.50	50	Owen Kenney.....	Oct. 24, 1906	.....	Apr. 20
Lovering.....	Candia road to B. & M. R. R.....	905.00	50	F. H. Weeks.....	May 7, 1907	.....	June 29
Maxwell.....	Goffstown road to 372 feet southerly.....	372.00	40	Phenie L. Jameson.....	28, 1906	.....	Nov. 12
North.....	Beech to Ash.....	220.00	50	Rosa A. Frickett.....	Apr. 17, 1906	.....	Mar. 29
Prospect.....	Hall to 314.65 feet easterly.....	314.65	50	M. V. B. Garland.....	Sept. 23, 1906	.....	Apr. 1
Riley avenue.....	Hayward to Young.....	758.57	40	Philip Riley.....	May 23, 1907	.....	Nov. 12
Rimmon.....	Bremer to Mason.....	800.00	50	Achille Halle.....	June 25, 1907	.....	July 13
River road.....	West North to West Webster.....	568.59	50	Amoskeag Mfg. Co.....	June 28, 1907	.....	Aug. 24
Schuyler.....	Notre Dame ave. to 120 feet westerly.....	120.00	50	George D. Hebert.....	Mar. 24, 1905	.....	" 24
Silver.....	Maple to Lincoln.....	650.92	50	"	June 16, 1905	.....	" 24
"	Lincoln to Wilson.....	621.50	50	Frank E. Willard.....	Aug. 15, 1906	.....	June 1
Taggart.....	Belmont to Taylor.....	693.00	50	Mary J. Jameson.....	May 28, 1907	.....	Nov. 2
Warner.....	Goffstown road to 366 feet southerly.....	366.00	40	George R. Jackson.....	Mar. 22, 1907	June 28	.....
Wayne south back.....	Wilkins to Mast road.....	490.00	50	George Blanchet.....	June 15, 1907	.....	July 13
	Main to McGregor.....	148.49	20				
		\$11,066.20					

SUMMARY.

Whole number of highway petitions acted upon.....23	Total length of highways petitioned for.....	11,066.20
Granted leave to withdraw.....1	Granted leave to withdraw.....	490.00
Granted a hearing.....22	Granted a hearing.....	10,576.20
		11,066.20
23	23	11,066.20

TABLE No. 10. PETITIONS FOR ESTABLISHING GRADE ACTED UPON BY COMMITTEE ON STREETS DURING 1907.

LOCATION.	LIMITS.	Dis- tance.	Width.	Petition of	Date of petition.	With- drawn.	Granted.
Auburn	Passageway to Hall road	230.00	50	James Dinwoodie	Aug. 6, 1906	.....	April 26
Bremer	Rimmon to Hevey	230.00	50	George Blanchet.	" 30, 1906	.....	June 29
Cartier	Putnam to Sullivan	411.86	50	Alfred Beland	Nov. 23, 1906	.....	June 29
Cedar south back	Union to Beech.	400.00	20	T. F. Sheehan	" 22, 1906	.....	April 20
Clay.	"	492.21	50	Frank Grimaud	Apr. 12, 1906	.....	Nov. 2
Cleveland	Second to Blaine	885.00	40	Walter H. Tirrell	June 27, 1907	.....	May 24
Cypress.	Somerville to Clay	274.57	50	John J. McAllister, jr.	May 7, 1907	.....	May 7
"	" to Young	551.00	50	"	" 21, 1907	.....	" 7
D	Main road to 361.41 feet westerly	361.41	50	Albert Whitney	" 7, 1907	.....	Aug. 24
Elm east back	Harrison to Brook	380.00	20	George A. Brown	Aug. 10, 1905	.....	Aug. 20
Elm avenue	Elm to Calef road	324.00	30	May B. Durgin	June 5, 1907	.....	Aug. 24
Gold	South Beech to Calef road	1,300.00	40	Joseph A. Brown	Nov. 14, 1906	.....	June 29
Hall road	Massabesic to Lake avenue	2,275.00	50	Manchester Garin't Mfg. Co.	April 5, 1907	.....	May 31
Hampshire lane*	Cedar to Granite	264.00	20	Swift & Company.	Aug. 20, 1906	.....	June 28
Kennedy	Lake avenue to Spruce	220.50	50	Owen Kenney	Oct. 24, 1906	.....	April 20
Knowlton	Hayward to 480 feet southerly	480.00	50	Sullivan and Sheehan.	June 18, 1906	.....	June 28
Laurel	Beecon to Cass	726.05	40	John J. McAllister, jr.	Aug. 21, 1906	.....	June 28
Liberty	Candia road to Webster	601.22	46	F. H. Weeks	April 7, 1904	.....	Nov. 2
Loxterling	Selson to Lake avenue	905.00	50	Robert I. Stevens	May 7, 1907	.....	June 29
Mannmoth road	Golfstown road to 372 feet southerly	1,537.07	66	Phemie L. Jameson	" 11, 1907	.....	July 13
Maxwell	Beech to Ash	372.00	40	Rosa A. Brickett	" 28, 1907	.....	Nov. 12
North	Hall to 314.65 feet easterly	314.65	50	M. V. B. Garland	April 2, 1906	.....	March 12
Prospect	Riley avenue	758.37	40	Philip Riley	Mar. 27, 1906	.....	April 20
Rimmon	Bremner to Mason	730.00	50	Achille Halle	Sept. 23, 1906	.....	June 1
River road	West North to West Webster	568.39	50	Amoskrag Mfg. Co.	May 25, 1907	.....	Nov. 13
Schenyer	Notre Dame avenue, westerly	120.00	50	George D. Hebert	June 28, 1907	.....	July 24
Silver	Maple to Lincoln	550.32	50	P. J. Charron	Mar. 28, 1905	.....	Aug. 24
"	Lincoln to Wilson	621.50	60	"	" 16, 1905	.....	" 24
"	Belmont to Taylor	553.00	50	Frank E. Willard	Aug. 15, 1906	.....	June 1
Somerville	Union to Beech	496.00	50	A. J. Lane	Oct. 3, 1906	.....	" 1
Taggart	Golfstown road to 366 feet southerly	366.00	40	Mary L. Jameson.	May 28, 1907	.....	Nov. 2
Union	Spruce to Lake avenue	220.00	50	Helena A. Connor	Sept. 29, 1906	.....	June 1
Warner	Wilkins to Mast	440.00	50	George R. Jackson	Mar. 22, 1907	.....	June 28
Wayne south back	Main to McGregor	148.49	20	George Blanchet	June 18, 1907	.....	July 13
Water	South Main to Parker	720.00	30-40	Sarah Gannon	July 26, 1905	.....	June 28
Young	Belmont to Taylor	565.00	45	Alfred S. Lamb	Apr. 12, 1907	.....	Aug. 24
		20,738.61					

* Petition for establishing grade and paving street.

† Petition for changing and establishing grade.

SUMMARY.

Whole number of grade petitions acted upon	37	1	Total length of highway grades petitioned for	20,738.61
Granted leave to withdraw	36		Granted leave to withdraw	440.00
Granted a hearing	—	—	Granted a hearing	20,298.61
	37	37		20,738.61

TABLE No. 11.
MISCELLANEOUS PETITIONS ACTED UPON BY THE COMMITTEE ON STREETS DURING 1907.

LOCATION.	LIMITS.	Dis- tance.	Width.	Petition of	Date of petition.	With- drawn.	Granted.
Hall road*	Massabesic to Lake avenue.....	2,376.85	50	Manchester Garment Mfg. Co. Robert L. Stevens.....	Apr. 5, 1907 May 11, 1907	.....	May 31 July 13
Mammoth*	Nelson to Lake avenue.....	1,557.07	66				
		3,933.92					

* Petition for widening and straightening.

TABLE No. 12.
HIGHWAYS LAID OUT IN 1907 BY THE BOARD OF MAYOR AND ALDERMEN.

LOCATION.	LIMITS.	Length.	Width.	Laid out.	Petition of	Date of petition.	Hearing recommended.
Auburn	Passageway to Hall Road.....	230.00	50	June 4, 1907	James Dinwoodle.....	Aug. 6, 1906	Apr. 26
Bremer	Rimmon to Hevey.....	270.00	50	July 26, 1907	George Blanchet.....	30, 1906	June 29
Cedar south back.....	Union to Beech.....	490.00	20	May 23, 1907	T. F. Sheehan.....	Nov. 22, 1906	Apr. 20
Cypress.....	Somerville to Clay.....	324.57	50	" 29, 1907	John J. McAllister, Jr.	May 7, 1907	May 7
D.....	" to Young.....	551.00	50	" 29, 1907	"	" 7, 1907	May 7
Gold.....	Main road, westerly.....	361.41	40	Sept. 27, 1907	Albert Whitney.....	" 21, 1907	Aug. 24
Kenney.....	South Beech to Calef road.....	1,300.00	40	Aug. 6, 1907	Rev. J. A. Chevalier.....	Nov. 14, 1906	June 29
Lovering.....	Lake avenue to Spruce.....	220.50	50	May 23, 1907	Owen Kenney.....	Oct. 24, 1906	Apr. 20
Maxwell.....	Candia road to B. & M. R. R.....	905.00	50	July 26, 1907	F. H. Weeks.....	" 7, 1907	Apr. 20
Prospect.....	Golfstown road, southerly.....	372.00	40	Nov. 29, 1907	Phenie L. Jameson.....	May 28, 1907	Nov. 2
Riley avenue.....	Hall, easterly.....	314.65	50	May 29, 1907	M. V. B. Garland.....	Mar. 17, 1906	Apr. 20
Rimmon.....	Hayward to Young.....	758.57	40	July 26, 1907	Philip Riley.....	Sept. 25, 1906	June 1
River road.....	Bremer to Mason.....	800.00	50	Nov. 29, 1907	Achille Halle.....	May 23, 1907	June 1
Schuyler.....	West North to West Webster.....	568.59	50	Sept. 27, 1907	Amoskag Mfg. Co.....	June 23, 1907	July 13
Silver.....	Notre Dame avenue, westerly.....	120.00	50	Nov. 29, 1907	George D. Hebert.....	Mar. 28, 1907	Aug. 24
Taggart.....	Maple to Lincoln.....	650.92	50	" 29, 1907	P. J. Charron.....	June 24, 1905	" "
Wayne south back.....	Lincoln to Wilson.....	621.50	50	Sept. 27, 1907	"	" 16, 1905	" "
	Golfstown road, southerly.....	366.00	40	Nov. 29, 1907	Mary J. Jameson.....	May 28, 1907	Nov. 2
	Main to McGregor.....	148.49	20	Sept. 27, 1907	George Blanchet.....	June 18, 1907	July 13
		9,373.20					

TABLE No. 13.
HIGHWAY GRADES ORDERED ESTABLISHED BY THE BOARD OF MAYOR AND ALDERMEN DURING 1907.

LOCATION.	LIMITS.	Distance.	Width.	Petition of	Date of petition.	Ordered passed.
Arlington.....	Russell to Warren.....	180.00	50	D. B. Sanborn.....	July 26, 1907	Sept. 27, 1907
Auburn.....	East of Canton to Hall road.....	230.00	50	James Dinwoodie.....	Aug. 6, 1906	June 4, 1907
Bremer.....	Rimmon to Hwyy.....	220.00	50	George Blanchet.....	Nov. 23, 1906	July 26, 1907
Cartier.....	Union to Fitham.....	411.86	50	Alfred Beland.....	Nov. 23, 1906	July 26, 1907
Cedar south back.....	Union to Beech.....	490.09	20	Thomas F. Sheehan.....	May 29, 1907	May 29, 1907
Cypress.....	Somerville to Clay.....	274.57	50	John J. McAllister, jr.....	May 7, 1907	May 29, 1907
".....	" to Young.....	551.00	50	".....	" 7, 1907	" 29, 1907
D.....	Maat road, westerly.....	361.41	40	Albert Whitney.....	" 21, 1907	Sept. 27, 1907
Elm avenue.....	Elm to Callef road.....	324.00	30	May B. Durgin.....	June 5, 1907	" 27, 1907
Gold.....	South Beech to Callef road.....	1,300.00	40	Joseph A. Brown.....	Nov. 14, 1906	Aug. 6, 1907
Hall road.....	Massachusetts to Lake avenue.....	2,276.00	50	Menck't'r Gar-Mfg. Co.....	April 5, 1907	July 26, 1907
Hampshire lane †.....	Granite to Cedar.....	264.00	20	Swift & Co.....	Aug. 20, 1906	" 26, 1907
Kennedy.....	Lake avenue to East Spruce.....	220.50	50	Owen Kenney.....	Oct. 24, 1906	May 29, 1907
Knowlton.....	Hayward, southerly.....	480.00	50	Sullivan & Sheehan.....	June 18, 1906	" 29, 1907
Laurel †.....	Beacon to Cass.....	736.05	40	John J. McAllister, jr.....	Aug. 21, 1906	July 26, 1907
Liberty.....	North to Webster.....	905.00	46	Frank D. Leighton.....	April 7, 1907	Nov. 26, 1907
Lovering.....	Candia road to B. & M. R. R.....	601.22	50	F. H. Weeks.....	May 11, 1907	Sept. 27, 1907
Mammoth road.....	Nelson to Lake avenue.....	372.00	66	Robert L. Stevens.....	" 11, 1907	Nov. 29, 1907
Maxwell.....	Goffstown road, southerly.....	1,557.07	50	M. V. B. Garland.....	Mar. 17, 1906	May 29, 1907
Prospect.....	Hall, easterly.....	314.65	50	Philip Riley.....	Sept. 25, 1906	July 26, 1907
Riley avenue.....	Hayward to Young.....	768.57	40	May 23, 1907	May 23, 1907	Nov. 29, 1907
Rimmon.....	Bremer to Mason.....	750.00	50	Achille Halle.....	Nov. 28, 1907	Nov. 29, 1907
River road.....	West North to West Webster.....	568.59	50	Amoskeag Mfg. Co.....	June 24, 1905	Sept. 27, 1907
Schuyler.....	Notre Dame avenue, westerly.....	130.00	50	George D. Hebert.....	Mar. 28, 1907	Nov. 29, 1907
Silver.....	Maple to Lincoln.....	550.92	50	P. J. Charron.....	June 16, 1905	Sept. 27, 1907
".....	Lincoln to Wilson.....	621.50	50	".....	Oct. 3, 1906	Nov. 26, 1907
Somerville.....	Union to Beech.....	490.00	50	A. J. Lane.....	May 28, 1907	Nov. 26, 1907
Taggart.....	Goffstown road, southerly.....	366.00	40	Mary J. Jameson.....	Sept. 29, 1906	July 26, 1907
Union.....	Spruce to Lake avenue.....	220.00	50	Helena A. Connot.....	June 18, 1907	Sept. 27, 1907
Wayne south back.....	Main to McGregor.....	148.49	20	George Blanchet.....	July 26, 1905	" 27, 1907
Winter.....	South Main to Parker.....	720.00	30-40	Sarah Gannon.....	April 12, 1907	" 27, 1907
Young.....	Belmont to Taylor.....	565.00	45	Alfred S. Lamb.....	" 12, 1907	" 27, 1907
		17,938.40				

† Establish grade and paving.

‡ Changing and establishing grade.

TABLE No. 14.
MISCELLANEOUS PETITIONS ACTED UPON BY THE BOARD OF MAYOR AND ALDERMEN
DURING 1907.

LOCATION.	LIMITS.	Distance.	Width.	Laid out.	Petition of	Date of petition.	Hearing recom- mended.
Hall Road†.....	Massabesic to Lake avenue.....	2,376.85	50	July 26, 1907	Manch ¹ st'r Gar. Mfg. Co.	Apr. 5, 1907	May 31
Mammoth Road†.....	Nelson to Lake avenue.....	1,557.07	66	Sept. 27, 1907	Robert I. Stevens.....	May 11, 1907	July 13
		3,933.92					

† Widened and straightened.

TABLE No. 15.
PETITIONS ACTED UPON BY THE COMMITTEE ON SEWERS AND DRAINS DURING THE YEAR 1907.

LOCATION.	LIMITS.	Distance.	Petition of	Date of Petition.	Withdrawn.	Granted.
Amherst.....	Peacon to Hubbard.....	337.00	Matthew J. Dollard.....	Apr. 16, 1907	.....	May 6
Bridge.....	Weston to Highland.....	550.00	P. J. Morrissey.....	May 31, 1906	.....	Mar. 28
Brook.....	Maple, easterly 430 feet.....	130.00	L. A. Cogswell.....	.....	June 20	.....
.....	Maple to Oak.....	350.00	John J. McAllister.....	Apr. 23, 1907	.....	May 6
Clough avenue.....	Spruce, southerly 225 feet.....	225.00	Arthur H. Hale.....	" 23, 1907	.....	June 20
Partmouth.....	Woodbury, northerly.....	424.00	N. H. Improvement Co.....	Sept. 7, 1906	Mar. 28	.....
Hubbard.....	Hanover to Amherst.....	396.00	Matthew J. Dollard.....	Apr. 16, 1907	June 20	.....
Kenney.....	Lake avenue to Spruce.....	270.50	Owen Kenney.....	Nov. 13, 1906	Feb. 25	.....
Log.....	South Main to Colby.....	916.00	Fred G. Stark, Agent.....	Aug. 2, 1906	Mar. 28	.....
Maple.....	Brook to Blodget.....	303.00	John J. McAllister.....	Apr. 23, 1907	.....	May 6
Mast road.....	Wilkins, southerly 176 feet.....	176.00	Henry Weber.....	May 28, 1907	.....	June 20
Prescott.....	Hall, westerly 236 feet.....	236.00	Napoleon Bourmval.....	Nov. 13, 1906	.....	Aug. 22
Reed.....	Amory to Kelley.....	473.00	George Blanchet.....	June 18, 1906	Aug. 22	.....
Reed east back.....	".....	508.00	Owen Kenney.....	" 18, 1906	.....	Aug. 22
Spruce.....	Kenney, westerly 234 feet.....	214.00	Henry Weber.....	Nov. 13, 1906	June 20	.....
Warner.....	Wilkins, southerly 150 feet.....	150.00	".....	July 17, 1906	.....	Feb. 25
Wilkins.....	Mast road to Warner.....	520.00	".....	" 17, 1906	June 20	.....
		6,198.50				

SUMMARY.

Whole number of petitions acted upon.....	17	Total length of sewers petitioned for.....	6,198.50
Granted leave to withdraw.....	8	Granted leave to withdraw.....	3,279.50
Reported favorably.....	9	Reported favorably.....	2,919.00
	17		6,198.50
	17		6,198.50

TABLE No. 16.
SEWERS ORDERED IN BUT NOT BUILT UP TO JANUARY 1, 1908.

LOCATION.	LIMITS.	Distance.	Date of order.	BUILT DURING 1907.		NOT NEEDED.	NOT BUILT.
				Distance.	Excess.	Distance.	Distance.
Adams.....	Carpenter to Trenton.....	531	Dec. 19, 1902	.....	.....	.....	531
Answorth avenue.....	Hayward to Young.....	155	May 31, 1905	.....	.....	.....	155
Amherst.....	Union to Ashland.....	2,600	" 2, 1893	.....	.....	.....	2,600
Albert.....	Harrison to Brook.....	366	Jan. 23, 1906	.....	.....	.....	366
Amory.....	Alsace to Joliette.....	252	Oct. 7, 1902	.....	.....	.....	252
Auburn.....	Cypress, easterly.....	300	May 2, 1899	.....	.....	.....	300
" south back.....	Hall, easterly.....	150	Jan. 7, 1896	.....	.....	.....	150
Bartlett.....	Sullivan, southerly.....	127	Mar. 6, 1906	.....	.....	.....	127
Bay.....	Clarke to Carpenter.....	910	April 14, 1903	227	.....	.....	683
Beacon.....	Amherst to Concord.....	71	Nov. 10, 1896	.....	.....	.....	71
Beech.....	Harvard to Hayward.....	272	Oct. 4, 1898	.....	.....	.....	272
".....	Somerville to Shasta.....	979	Nov. 23, 1906	447	.....	.....	532
".....	Bridge to Orange.....	629	Dec. 6, 1900	.....	.....	.....	629
Belmont.....	Old Bridge to Bridge.....	200	Jan. 7, 1896	.....	.....	.....	200
".....	Second to Hiram.....	228	Dec. 6, 1892	.....	.....	.....	228
".....	Second to Third.....	107	May 2, 1905	.....	.....	.....	107
Bowman.....	Mast to Milford.....	455	Oct. 7, 1902	.....	.....	.....	455
Bremer north back.....	Coolidge avenue west back to Rimmon.....	89	" 4, 1898	94	5	.....	.....
Bridge.....	Beacon to Weston.....	54	July 25, 1902	.....	.....	.....	54
Calif road.....	Baker, northerly.....	49	June 4, 1901	.....	.....	.....	49
".....	Beech, westerly.....	175	May 5, 1896	.....	.....	.....	175
Central.....	Maple to Lincoln.....	96	" 13, 1903	.....	.....	.....	96
" south back.....	Milton to Beacon.....	307	Sept. 6, 1898	.....	.....	.....	307
Charleston avenue.....	Chestnut to Union.....	860	July 9, 1901	.....	.....	.....	860
Chester.....	Rochelle avenue to Brook.....	531	June 12, 1906	.....	.....	.....	531
Chestnut.....	Lincoln to Ashland.....	277	July 5, 1904	.....	.....	.....	277
Clarke.....	Carpenter to Trenton.....	147	Oct. 7, 1902	.....	.....	.....	147
Clay.....	Elm to Chestnut.....	290	Apr. 14, 1903	.....	.....	.....	290
Colby.....	Cypress to Jewett.....	439	June 26, 1903	.....	.....	.....	439
Columbus.....	West Hancock to Log.....	270	" 12, 1906	.....	.....	.....	270
Concord.....	Amory, southerly.....	128	July 26, 1899	.....	.....	.....	128
".....	Pine east back to Union.....	152	Sept. 12, 1899	.....	.....	.....	152
".....	Dutton, westerly.....	97	Feb. 2, 1904	.....	.....	.....	97

TABLE No. 16.—*Continued.*
SEWERS ORDERED IN BUT NOT BUILT UP TO JANUARY 1, 1908.

LOCATION.	LIMITS.	Distance.	Date of order.	BUILT DURING 1907.		NOT NEEDED.	NOT BUILT.
				Distance.	Excess.	Distance.	Distance.
Concord.....	Hall, easterly.....	86	Sept. 6, 1887	.....	.....	.....	86
".....	Weston to Hubbard.....	101	" 27, 1905	.....	.....	.....	101
Dix.....	Wilson to Hall.....	89	" 27, 1905	.....	.....	.....	89
".....	Taylor to Cypress.....	442	July 15, 1904	.....	.....	.....	442
Dover.....	Clinton, northerly.....	160	Sept. 4, 1894	.....	.....	.....	160
Dutton.....	Concord, easterly.....	300	Feb. 2, 1904	.....	.....	.....	300
Elm.....	Shasta to Baker.....	106	May 6, 1890	.....	.....	.....	106
".....	Railroad bridge to Elm ave.....	1,295	" 6, 1890	.....	.....	.....	1,285
".....	Monroe south back to Clarke.....	707	June 4, 1895	.....	.....	.....	707
Foster avenue.....	Trenton to Hayward.....	448	Feb. 4, 1896	.....	.....	.....	448
Frederick.....	Valley to Hayward.....	140	July 14, 1896	.....	.....	.....	140
Front.....	Second, easterly.....	175	July 26, 1899	.....	.....	.....	175
George.....	Eddy to north of hotel.....	52	Sept. 6, 1893	.....	.....	.....	52
Grove south back.....	North of Milford to Charleston ave.....	200	Oct. 7, 1902	.....	.....	.....	200
Hall road.....	Wilson, easterly.....	601	Nov. 2, 1897	.....	.....	.....	601
Hale.....	Massachusetts to Nelson.....	450	Aug. 6, 1898	.....	.....	.....	450
Hall.....	Schiller, southerly.....	250	Nov. 9, 1894	.....	.....	.....	250
".....	Clay to Dix.....	143	Dec. 19, 1902	.....	.....	.....	143
Hamover.....	Lowell to East High.....	134	July 25, 1902	.....	.....	.....	134
Harrison.....	East of Alfred to Highland.....	216	Jan. 4, 1897	.....	.....	.....	216
".....	Linden, easterly.....	350	Nov. 23, 1906	.....	.....	.....	350
".....	Maple to Oak.....	65	Oct. 3, 1899	.....	.....	.....	65
Harvell.....	Belmont, westerly.....	700	Sept. 1, 1896	.....	.....	.....	700
Hayward.....	Hale to South Main.....	148	Nov. 9, 1894	.....	.....	.....	148
".....	Ainsworth avenue to Cypress.....	389	Sept. 7, 1897	.....	.....	.....	389
".....	Maple to Lincoln.....	292	May 17, 1906	.....	.....	.....	292
Hevey east back.....	Porter to Mammoth road.....	146	" 17, 1906	.....	.....	.....	146
".....	Wayne, northerly.....	396	Jan. 7, 1896	.....	.....	.....	396
".....	South of Amory to Columbus ave.....	350	July 10, 1893	.....	.....	.....	350
High East.....	Kelley to Bremer.....	152	June 4, 1901	.....	.....	.....	152
".....	West of Hall to Belmont.....	192	Aug. 30, 1901	.....	.....	.....	192
Hosley.....	Beacon to Weston.....	116	July 6, 1904	.....	.....	.....	116
".....	Grove to Summer.....	116	June 26, 1903	.....	.....	.....	116

Hospital avenue.....	142	Sept. 14, 1904	.....	142
Huntress	163	Nov. 3, 1893	.....	163
Jones	550	Aug. 5, 1898	.....	285
Knowlton	67	Nov. 23, 1906	.....	67
Main South	1,340	Dec. 4, 1900	.....	1,340
Mammoth road	455	May 17, 1906	.....	455
"	32	" 2, 1899	.....	32
"	500	Aug. 5, 1898	.....	500
Maple	270	Oct. 19, 1905	.....	270
Massabesic	831	Mar. 2, 1899	.....	831
Mast	176	Dec. 31, 1901	.....	176
Merrill	34	June 5, 1900	.....	34
Montgomery east back ..	504	Dec. 31, 1901	.....	309
Oakland avenue	1,250	" 13, 1905	.....	1,250
Orange	65	Feb. 4, 1896	.....	65
Pine	320	Oct. 3, 1899	.....	320
" east back	160	Sept. 12, 1899	.....	160
Prescott	21	June 26, 1903	.....	21
Prospect	100	Sept. 3, 1893	.....	100
Rhimon	164	Aug. 6, 1901	.....	164
" east back	800	Sept. 7, 1897	.....	800
River road	305	Nov. 2, 1897	.....	305
Russell	770	Oct. 3, 1899	.....	770
Sagamore	362	July 31, 1903	.....	362
Schiller	850	Nov. 10, 1896	.....	850
Second	118	July 26, 1899	.....	118
"	100	Dec. 3, 1895	.....	100
Somerville	512	Aug. 2, 1898	.....	512
"	785	Dec. 19, 1902	.....	785
Union to Maple	110	Jan. 7, 1896	.....	110
Hall to west of Cypress ..	548	July 26, 1899	.....	546
East of Canton, easterly ..	75	Oct. 2, 1900	.....	75
Milford to Avon	155	Mar. 6, 1906	.....	155
South of Valley, southerly ..	180	July 2, 1895	.....	180
Wayne to Putnam	401	Oct. 7, 1902	.....	401
Clarke to Fenton	50	Aug. 6, 1895	.....	50
Trenton, northerly	133	Jan. 4, 1897	.....	133
South of Christian brook, southerly ..	2,396	Nov. 7, 1893	.....	2,396
Cypress, westerly	105	Jan. 29, 1897	.....	105
Elm to Wilson	204	July 31, 1903	.....	204
Salmon, southerly	88	Nov. 10, 1896	.....	88
Webster, northerly	400	Sept. 5, 1895	.....	400
Salmon, northerly	522	Oct. 3, 1899	.....	522
Schiller, northerly	835	Dec. 4, 1900	.....	835
Milford to Mast .....			.....
Silver to Baker .....			.....
	42,482		2,905	437
				40,014

TABLE No. 17.
SEWERS ORDERED IN DURING THE YEAR 1907.

LOCATION.	Limits.	Distance.	Date of order.	Built during 1907.		Not needed.	Not built.
				Distance.	Excess.	Distance.	Distance.
Amherst.....	Reacon to Hubbard.....	337	June 4, 1907	337	.....	.....	550
Bridge.....	Weston to Highland.....	580	Apr. 24, 1907	.....	.....	.....	192
Brook.....	Maple to Oak.....	350	June 4, 1907	158	.....	.....	.....
Crough avenue.....	Spruce, southerly.....	225	July 26, 1907	210	.....	15	85
Hayward.....	Union, easterly.....	270	Feb. 5, 1907	185	.....	.....	.....
Maple.....	Brook to Blodget.....	303	June 4, 1907	63	.....	240	.....
Maple road.....	Wilkins, southerly.....	176	July 26, 1907	.....	.....	.....	176
Prescott.....	Hall, westerly.....	238	Oct. 1, 1907	156	.....	.....	80
Reed east back.....	Amory to Kelley.....	508	Oct. 1, 1907	404	.....	.....	104
Springview avenue.....	Somerville, northerly.....	200	Feb. 5, 1907	.....	.....	.....	200
Spruce.....	Kenney, westerly.....	234	Apr. 2, 1907	139	.....	.....	95
Thornton.....	Wayne to Janelle avenue.....	391	Feb. 5, 1907	393	.....	1	.....
		3,783		2,045	.....	256	1,482

TABLE No. 18.
SEWERS BUILT IN 1907 WITHOUT AN ORDER.

LOCATION.	Limits.	Distance.
Canal	West Bridge to Merrimack south back.....	2,174
Coolidge avenue west back..	North of Bremer, northerly.....	52
Hall road	Nelson, northerly	110
Hubbard.....	Amherst, northerly.....	103
Lake avenue*.....	Pine, easterly.....	18
Londonderry lane*	Union, easterly	24
Maple.....	Shasta to south of Somerville	934
Nutfield lane	Derryfield lane, northerly	32
Pine†.....	Spruce to north of Lake avenue.....	344
Prospect south back.*.....	East of Elm, easterly.....	51
Shasta	Willow to Maple	1,666
Spruce*	Clough avenue, westerly	66
Third*	Ferry to Bath.....	124
Union	Appleton, northerly.....	90
Willow‡.....	Shasta, northerly	50
		5,838

* Relaid.

† 296 feet relaid, 48 feet new, for cesspools.

‡ Top sewer for house connections only.

TABLE No. 19.
PIPE REMOVED WHERE SEWERS HAVE BEEN RELAYED.

LOCATION.	LIMITS.	Material.	PIPE REMOVED.		Material.	PIPE LAID.	
			Size in inches.	Length in feet.		Size in inches.	Length in feet.
Lake avenue.....	Pipe, easterly.....	Cement.....	12	18	Portland	12	18
Londonberry lane.	Union, easterly.....	Akron.....	12	24	"	12	24
Pine.....	Spruce to Lake avenue..	Cement.....	12	296	"	12	296
Prospect, so. back.	East of Elm, easterly..	Brick.....	12	45	Akron....	15	45
"	"	Akron.....	12	6	"	15	6
Spruce.....	Clough avenue, westerly.	"	12	66	"	12	66
Third.....	Ferry to Bath.....	Portland....	12	124	Portland.	12	124
				579			579

TABLE No. 20.

SEWERS ORDERED IN BUT NOT BUILT TO JANUARY 1, 1908.

LOCATION.	LIMITS.	Distance.	Date of order.
Adams.	Carpenter to Trenton	531	Dec. 19, 1902
Ainsworth avenue.	Hayward to Young.	155	May 31, 1905
Amherst.	Union to Ashland	2,600	" 2, 1893
Albert.	Harrison to Brook.	366	Jan. 23, 1906
Amory.	Alsace to Joliette	252	Oct. 7, 1902
Auburn.	Cypress, easterly	300	May 2, 1899
" south back	Hall, easterly	150	Jan. 7, 1896
Bartlett.	Sullivan, southerly	127	Mar. 6, 1906
Bay.	Clarke to Carpenter.	683	Apr. 14, 1903
Beacon.	Amherst to Concord	71	Nov. 10, 1896
Beech.	Harvard to Hayward	272	Oct. 4, 1898
"	Somerville to Shasta.	532	Nov. 23, 1906
"	Bridge to Orange.	629	Dec. 6, 1900
Belmont.	Old Bridge to Bridge.	200	Jan. 7, 1896
Blaine.	Second to Hiram	228	Dec. 6, 1892
"	Second to Third.	107	May 2, 1905
Bowman.	Mast to Milford.	455	Oct. 7, 1902
Bridge.	Beacon to Weston	54	July 25, 1902
"	Weston to Highland.	550	Apr. 24, 1907
Brook.	Maple to Oak	192	June 4, 1907
Calef road.	Baker, northerly	49	" 4, 1901
Cedar south back.	Beech, westerly	175	May 5, 1896
"	Maple to Lincoln	96	" 13, 1903
Central.	Milton to Beacon	307	Sept. 6, 1898
" south back.	Chestnut to Union.	860	July 9, 1901
Charleston avenue.	Rochelle avenue to Brock	531	June 12, 1906
Chester.	Lincoln to Ashland.	277	July 5, 1904
Chestnut.	Carpenter to Trenton	147	Oct. 7, 1902
Clarke.	Elm to Chestnut	290	Apr. 14, 1903
Clay.	Cypress to Jewett	439	June 26, 1903
Colby.	West Hancock to Log	270	" 12, 1906
Columbus.	Amory, southerly.	128	July 26, 1899
Concord.	Pine east back to Union	152	Sept. 12, 1899
"	Dutton, westerly	97	Feb. 2, 1904
"	Hall, easterly	86	Sept. 6, 1887
"	Weston to Hubbard	101	" 27, 1905
Dix.	Wilson to Hall.	89	" 27, 1905
"	Taylor to Cypress.	442	July 15, 1904
Dover.	Clinton, northerly	160	Sept. 4, 1894
Dutton.	Concord, easterly	300	Feb. 2, 1904
Elm.	Shasta to Baker.	106	May 6, 1890
"	Railroad bridge to Elm avenue	1,285	" 6, 1890
"	Monroe south back to Clarke	707	June 4, 1895
"	Trenton to Rowell.	448	Feb. 4, 1896
Foster avenue.	Valley to Hayward	140	July 14, 1896
Frederick.	Second, easterly	175	" 26, 1899
Front.	Eddy to north of hotel.	2,800	Sept. 5, 1893
George.	No. of Milford to Charleston ave.	52	Oct. 7, 1902
Grove south back.	Wilson, easterly	209	Nov. 2, 1897
Hall road.	Massabesic to Nelson	601	Aug. 5, 1898
Hale.	Schiller, southerly	450	Nov. 9, 1894
Hall.	Clay to Dix	250	Dec. 19, 1902
"	Lowell to East High	143	July 25, 1902
Hanover.	East of Alfred to Highland	134	Jan. 4, 1897
Harrison.	Linden, easterly.	216	Nov. 23, 1906
"	Maple to Oak	350	Oct. 3, 1899
"	Belmont, westerly.	65	Sept. 1, 1896
Harvell.	Hale to South Main	700	Nov. 9, 1894
Hayward.	Ainsworth avenue to Cypress.	148	Sept. 7, 1897
"	Maple to Lincoln	389	May 17, 1906
"	Porter to Mammoth road	292	" 17, 1906
"	Union, easterly.	85	Feb. 5, 1907
Hevey east back.	Wayne, northerly.	146	Jan. 7, 1896

TABLE No. 20.— *Continued.*

LOCATION.	LIMITS.	Distance.	Date of order.
Hevey, east back.....	So. of Amory to Columbus avenue..	396	July 10, 1893
"	Kelley to Bremer.....	350	June 4, 1901
High East	West of Hall to Belmont.....	152	Aug. 30, 1901
"	Beacon to Weston.....	192	July 5, 1904
Hosley	Grove to Summer.....	116	June 26, 1903
Hospital avenue.....	Chase avenue to Massabesic.....	142	Sept. 14, 1904
Huntress	Prince to McDuffie.....	163	Nov. 3, 1903
Jones.....	Nelson to Benton.....	285	Aug. 5, 1898
Knowlton	Hayward, southerly.....	67	Nov. 23, 1906
Main South	Schiller to Allen.....	1,340	Dec. 4, 1900
Mammoth road.....	Hayward to No. 155 Mammoth road.	455	May 17, 1906
"	Massabesic to Nelson.....	32	" 2, 1899
"	Nelson, northerly.....	500	Aug. 5, 1898
Maple	Prospect to Harrison.....	270	Oct. 19, 1905
Massabesic	Hall road to Mammoth road.....	831	Mar. 2, 1899
Mast	Rochelle avenue to Brock.....	175	Dec. 31, 1901
Mast road.....	Wilkins, southerly..	176	July 26, 1907
Merrill.....	Jewett, easterly.....	34	June 5, 1900
Montgomery east back.....	Kelley to Bremer.....	309	Dec. 31, 1901
Oakland avenue	Revere avenue to Woodland avenue.	1,250	" 13, 1905
Orange	Belmont, westerly.....	65	Feb. 4, 1896
Pine	Silver to Plummer.....	320	Oct. 3, 1899
Pine east back.....	South of Concord to Concord.....	160	Sept. 12, 1899
Prescott.....	Maple, easterly.....	21	June 26, 1903
"	Hall, westerly.....	80	Oct. 1, 1907
Prospect	Hall, easterly.....	100	Sept. 3, 1895
Reed east back.....	Amory to Kelley.....	104	Oct. 1, 1907
Rimmon.....	South of Wayne to Putnam.....	164	Aug. 6, 1901
" east back	Kelley to Mason.....	800	Sept. 7, 1897
River road.....	Clarke to Park avenue.....	306	Nov. 2, 1897
Russell	South of Blodget to Sagamore.....	770	Oct. 3, 1899
Sagamore	Chestnut to Pine.....	362	July 31, 1903
Schiller	Hale to South Main.....	850	Nov. 10, 1896
Second	North of Frederick to Frederick.....	118	July 26, 1899
"	South of Schiller to Harvell.....	160	Dec. 3, 1895
Somerville.....	Union to Maple.....	512	Aug. 2, 1898
"	Hall to west of Cypress.....	766	Dec. 19, 1902
Springview avenue.....	Somerville, northerly.....	200	Feb. 5, 1907
Spruce East	Kenney, westerly.....	95	Apr. 2, 1907
Sylvester.....	Milford to Avon.....	546	July 26, 1899
Taylor.....	South of Valley, southerly.....	75	Oct. 2, 1900
Thornton.....	Wayne to Putnam.....	155	Mar. 6, 1906
Union.....	Clarke to Trenton.....	180	July 2, 1895
"	Trenton, northerly.....	401	Oct. 7, 1902
" east back	South of Christian Brook, southerly	50	Aug. 6, 1895
Valley	Cypress, westerly.....	133	Jan. 4, 1897
"	Elm to Wilson.....	2,396	Nov. 7, 1893
Walnut	Salmon, southerly.....	105	Jan. 29, 1897
"	Webster, northerly.....	204	July 31, 1903
" east back.....	Salmon, northerly.....	88	Nov. 10, 1896
William	Milford to Mast.....	522	Oct. 3, 1899
Willow	Silver to Baker.....	100	Dec. 4, 1900
		41,496	

TABLE No. 21.

SUMMARY.

Table No. 16, column 3, (ordered in to January 1, 1907).....	42,482	
Table No. 16, column 5, (built)		2,905
Table No. 16, column 6, (built in excess of order).....	437	
Table No. 16, column 8, (not built).....		40,014
Table No. 17, column 3, (ordered in during 1907).....	3,783	
Table No. 17, column 5, (built).....		2,045
Table No. 17, column 7, (unnecessary)		256
Table No. 17, column 8, (not built).....		1,482
	<hr/>	<hr/>
	46,702	46,702

Sewers built in 1907 of those ordered in to January 1, 1908 (feet)	4,950
Sewers built in 1907 without orders (feet).....	5,259
Sewers relaid in 1907 without orders (feet).....	579
	<hr/>
Total length of sewers built in 1907 (feet).....	10,788

[illegible]

TABLE No. 23.
MATERIAL, SIZE AND LENGTH OF SEWERS JANUARY 1, 1908.

SIZE IN INCHES.	Akron.	Portland (old).	Portland (new).	Cement.	Earthen.	Brick.	Cast iron.	Steel riveted.	Total feet.	Man-holes.
6	128								128	1
8	12,875	90	601				24		13,590	17
9				7,437					7,437	1
10	115,593	3,990	11,730		1,175		90		132,578	369
12	97,275		8,205	18,359	2,055		34		125,928	267
14							24		24	
15	38,749		5,338	490			70		44,647	150
18	5,065	770	1,815	860		4,867			13,977	39
20	14,325		4,362						18,845	63
22			958						958	5
24	21,973		5,533	735		1,900	36	67	30,244	143
27				1,637					1,637	7
29									465	3
36			465			1,600			1,600	
42						506	277.5	39	822.5	
44						446			446	
48						1,195			1,195	
57								372	372	
60						1,400			1,400	
17x26						285			285	
20x30						1,506			1,506	
22x33						1,197			1,197	
24x36						849			849	
26x39						11,031			11,031	
29x44						514			514	
30x46						4,530			4,530	
32x48						1,360			1,360	
34x50						3,279			3,279	
36x54						1,067			1,067	
38x57						4,388			4,388	
40x64						790			790	
42x63						3,104			3,104	
50x75						712			712	
Total feet.....	306,683	4,850	39,007	29,578	3,230	46,546	713.5	478	430,985.5	1,175
Total miles.....	53.065	0.919	7.387	5.6'2	0.611	8.816	0.135	0.91	81.626	

TABLE No. 24.
SUMMARY OF SEWERAGE SYSTEM SINCE 1880.

YEAR.	Miles constructed during year	Miles constructed to date.	House connections recorded during year	House connections recorded to date.	Cost of sewers.	Average cost per mile.
1880.....	1.62	18.66	.....	.....	\$19,919.40	\$12,295.92
1881.....	2.18	20.84	.....	.....	23,895.12	10,961.06
1882.....	3.37	24.21	.....	.....	24,148.13	7,165.65
1883.....	2.54	26.75	.....	.....	21,452.05	8,445.69
1884.....	1.73	28.48	.....	.....	21,548.60	12,445.84
1885.....	1.56	30.04	.....	.....	28,122.84	18,027.46
1886.....	2.15	32.19	.....	.....	44,479.15	20,687.97
1887.....	1.44	33.63	.....	.....	19,893.92	13,815.22
1888.....	1.73	35.36	.....	.....	31,154.19	18,008.20
1889.....	2.66	38.02	.....	2003	27,513.73	10,343.51
1890.....	1.81	39.83	64	2067	39,297.97	21,711.58
1891.....	3.08	42.91	153	2220	55,409.73	17,990.17
1892.....	3.13	46.04	214	2434	39,724.65	12,691.58
1893.....	3.31	49.35	191	2625	51,392.15	15,528.33
1894.....	2.91	52.26	253	2883	46,116.01	15,847.42
1895.....	3.98	56.24	255	3138	71,859.36	18,055.11
1896.....	4.73	60.97	237	3375	66,408.87	14,099.33
1897.....	*3.93	64.44	283	3658	36,258.41	9,226.05
1898.....	*3.76	67.62	520	4178	34,939.51	9,292.42
1899.....	*1.54	69.03	208	4386	16,683.39	10,819.31
1900.....	*1.14	70.17	231	4617	13,748.41	12,091.58
1901.....	1.74	71.91	227	4844	14,724.39	8,462.29
1902.....	*1.95	73.46	186	5030	20,973.05	10,755.41
1903.....	1.41	74.87	191	5220	17,330.32	12,291.00
1904.....	*2.22	76.75	300	5520	25,574.79	11,520.17
1905.....	*1.91	78.51	319	5839	23,437.19	12,270.78
1906.....	*1.35	79.63	163	6002	21,313.20	15,787.55
1907.....	*2.04	81.63	199	6201	23,631.95	12,564.68
					† \$882,950.48	

* Includes old sewers relaid.

† Total cost for 28 years.

TABLE No. 25.

NAME.	RESIDENCE.	No of application.	Renewal fee received.	Class of plumber.	No. of certificate.	Date of renewal.	Date of expiration.
Bangs, Charles S.	1 Morrison	77	\$0.50	Master.	47	Aug. 31, 1907	Aug. 31, 1908
Blood, Frank W.	297 Merrimack	76	.50	"	84	"	"
Brock, James L.	21 Market	27	.50	"	25	"	"
Caron, Hermenegilde.	60 McGregor	63	.50	"	77	"	"
Carr, Thomas H.	252 Cedar st. or Woodsville..	101	.50	"	71	"	"
Cavanaugh, Thomas J.	54 Canal	42	.50	"	95	"	"
Clark, Charles H.	928 Beech	100	.50	Journeyman.	76	"	"
Coleman, Michael J.	540 Maple	7	.50	Master.	7	"	"
Connors, John A.	10 Grove st., Lowell, Mass.	17	.50	Journeyman	85	"	"
Farrell, John D.	31 Amory	89	.50	"	53	"	"
Florand, Joseph	14 Mechanic	35	.50	"	20	"	"
Griffin, Frank W.	240 Harrison	26	.50	Master.	24	"	"
Heald, Frank E.	289 Concord	92	.50	"	70	"	"
Lane, Frank A.	731 Beech	79	.50	"	48	"	"
Lewis, Fred S.	165 Mammoth road	40	.50	"	34	"	"
Marchand, Joseph F.	433 Main	55	.50	"	42	"	"
McKenna, John J.	101 Amherst	18	.50	Journeyman.	17	"	"
Merrill, Edwin W.	166 Blodget	65	.50	Master.	92	"	"
O'Brien, Martin.	123 Amherst	74	.50	"	54	"	"
O'Toole, Thomas J.	550 Cedar	16	.50	Journeyman.	16	"	"
Thornton, John J.	34 Old Bridge	60	.50	"	86	"	"
Wolf, Adolph A.	38 Clinton	45	.50	"	87	"	"
Wolf, Christian L.	36 Clinton	69	.50	Master.	45	"	"
		15	.50		15	"	"

TABLE No. 26.

NAME.	RESIDENCE.	No. of application.	Renewal fee received.	Class of plumber.	No. of license.	Date of renewal.	Date of expiration.
Bradley, John J.....	10 Second street, Amoskeag	45	\$0.50	Master.	33	Aug. 31, 1907	Aug. 31, 1908
Bretton, Frank.....	70 Concord.....	24	.50	Journeyman	18	"	"
Brock, Ira C.....	250 Walnut.....	23	.50	"	14	"	"
Brown, William T.....	Vinton.....	63	.50	"	41	"	"
Chapman, John W.....	384 Merrimack.....	22	.50	"	12	"	"
Clement, Joseph H.....	263 Union avenue, Laconia..	39	.50	Master.	27	"	"
Corey, Edward C.....	485 Pine.....	31	.50	Journeyman.	20	"	"
Foster, Frederick F.....	287 Massabesic.....	54	.50	Master	39	"	"
Gaudette, Alfred J.....	601 Amory.....	17	.50	Journeyman.	13	"	"
Grimard, Alfred.....	615 Union.....	52	.50	Master.	38	"	"
Hartshorn, John E.....	483 Pine.....	15	.50	"	16	"	"
Horsfall, James W.....	322 Central.....	55	.50	"	40	"	"
Lacerte, Albert L.....	42 Marion.....	27	.50	"	19	"	"
Langer, Richard C.....	36 Clinton.....	29	.50	Journeyman.	31	"	"
Lewis, Albert M.....	1166 Hayward.....	26	.50	"	17	"	"
Marston, Gardner E.....	3 Morrison.....	43	.50	"	30	"	"
Mcneely, Joseph P.....	20 Middle st. Lowell, Mass..	40	.50	"	28	"	"
Raiche, Trefle.....	286 Coolidge avenue.....	5	.50	"	7	"	"
Seaman, Carl O.....	224 Sagamore.....	4	.50	"	1	"	"
Steele, James A.....	339 Amherst.....	48	.50	Journeyman.	35	"	"

TABLE No. 27.

NAME.	RESIDENCE.	No. of application.	Examination fee received.	Class of plumber.	No. of license.	Date of issue.	Date of expiration
Bedard, Nelson E.....	3 Lake street, Nashua.....	57	\$1.00	Master.	42	Sept. 18, 1907	Aug. 31, 1908
Briers, Allen.....	752 Elm.....	56	1.00	Journeyman.	43	Sept. 24, 1907	" "
Brown, William T.....	752 Vinton street.....	53	1.00	"	41	Aug. 12, 1907	" "
Poster, Fred F.....	287 Massabesio.....	54	1.00	Master.	39	July 11, 1907	" "
Grimard, Alfred.....	615 Union.....	52	1.00	"	38	Apr. 4, 1907	" "
Henderson, John B.....	168 Central.....	62	1.00	Journeyman.	45	Nov. 5, 1907	" 1908
Horsfall, James W.....	322 Central.....	55	1.00	Master.	40	July 11, 1907	" 1907
McElhill, Bernard.....	15 Tayston st. Roxbury Mass.	61	1.00	"	44	Oct. 29, 1907	" 1908

TABLE No. 28.
SUMMARY OF TABLES Nos. 25, 26 and 27.

Master plumbers' certificates renewed during the year 1907.....	15
Journeyman plumbers' certificates renewed during the year 1907.....	9
Master plumbers' licenses renewed during the year 1907.....	12
Journeyman plumbers' licenses renewed during the year 1907.....	8*
Master plumbers' licenses granted during the year 1907.....	5
Journeyman plumbers' licenses granted during the year 1907.....	3
Plumbers' licenses granted after August 31, 1907 (not renewable until August 31, 1908)	8
Total certificates and licenses in force December 31, 1907.	44
	4
	48

Goffe and West Hancoek, southeast corner.....	1	.....	.....	1.27	40	50	2.17
Hall and Silver, northeast corner.....	1	.....	.....	1.61	30	.....	1.81
" " " road and Nelson, northeast corner.....	1	.....	.....	3.92	60	52	2.33
" " " second angle north of Nelson, west side.....	1	.....	.....	1.49	20	.....	5.04
" " " angle opposite Auburn, east side.....	1	.....	.....	1.96	30	52	2.21
" " " first angle north of Auburn, east side.....	1	.....	.....	3.90	60	54	2.78
Harvard and Maple, northeast corner.....	1	.....	.....	1.82	30	52	5.04
Jewett and Young, southwest corner.....	1	.....	.....	1.85	20	52	2.64
Kelley and Kimmon, northeast corner.....	1	.....	.....	2.33	30	53	2.58
" " and Montgomery, southeast corner.....	1	.....	.....	0.70	25	50	3.13
" " " southwest corner.....	1	.....	.....	0.79	25	53	1.54
" " " southwest corner.....	1	.....	.....	2.00	20	52	1.57
Kennedy and Spruce, northwest corner.....	1	.....	.....	1.41	20	157	2.73
" " and Lake avenue, southwest corner.....	1	.....	.....	2.81	40	128	2.88
Lake avenue and Wilson, southwest corner.....	1	.....	.....	0.65	10	53	4.49
Main, South, west side, south of No. 653.....	1	.....	.....	1.49	20	52	1.28
" " " north of No. 556.....	1	.....	.....	1.49	20	52	2.21
" " " south of Schiller.....	1	.....	.....	1.49	20	52	2.21
Main and Monmouth, northeast corner.....	1	.....	.....	4.57	70	50	5.77
Mammoth road and Massachusetts, northwest corner.....	1	.....	.....	1.40	20	52	2.21
Manchester and Union, southwest corner.....	1	.....	.....	1.41	20	50	2.11
Massachusetts and Wayland avenue, northeast corner.....	1	.....	.....	1.40	20	52	2.21
Mast, P. C. east of Bowman, south side.....	1	.....	.....	2.78	30	52	2.21
" " P. T. east of Bowman, south side.....	1	.....	.....	2.61	30	53	3.60
" " P. C. west of Bowman, south side.....	1	.....	.....	1.85	20	53	3.54
" " P. C. plus 100 west of Bowman, south side.....	1	.....	.....	2.61	40	53	2.58
" " P. C. plus 200 west of Bowman, south side.....	1	.....	.....	2.61	40	53	3.54
" " P. R. C. west of Bowman, south side.....	1	.....	.....	1.85	20	53	3.54
Merrimack and Union, northwest corner.....	1	.....	.....	1.11	20	52	2.58
North and Union, northeast corner.....	1	.....	.....	1.41	20	52	1.83
Ray at angle south of Clarke, east side.....	1	.....	.....	1.85	20	53	1.66
River road and West Webster, southeast corner.....	1	.....	.....	1.41	20	52	2.58
" " Second, first angle south of bridge, west side.....	1	.....	.....	3.11	40	53	2.13
Somerville and Springview avenue, northeast corner.....	1	.....	.....	1.49	20	52	4.04
" " " northwest corner.....	1	.....	.....	1.49	20	52	2.21
" " Jewett, northeast corner.....	1	.....	.....	1.55	20	53	2.28
Winter, first angle west of Main.....	1	.....	.....	1.96	30	52	2.78
	63	2	6	\$124.38	\$17.55	\$95.02	\$176.95

Cost of concrete bounds 50 cents each.

Cost of granite bounds \$1.25 each.

Cost of team 20 cents per hour.

Average cost of 63 concrete bounds, including setting, \$2.26.

Average cost of 2 granite bounds, including setting, \$3.39.

Average cost of 65 bounds, including setting, \$2.55.

TABLE No. 30.
COST RECORD.—FIELD WORK (Levels for Profiles). OFFICE WORK (Plans and Profiles).

LOCATION.	LIMITS.	Distance	No. lines.	Total distance.	FIELD WORK.		OFFICE WORK.		Total cost.
					Labor.	Team.	Labor.	Stock.	
Amory.....	Morgan, westerly.....	450	3	1,350	\$1.04	.20	\$1.47	.05	\$2.76
Arlington.....	Russell to Linden.....	480	3-5	2,200	2.81	.40	3.21	.05	4.46
Auburn.....	Passageway to Hall road.....	280	3	840	2.42	.50	2.92	.05	3.38
Belmont.....	Silver to north of Harvard.....	550	5	2,750	1.74	.20	1.94	.05	2.39
Brook.....	Maple to Oak.....	400	4	1,600	2.81	.40	3.21	.05	3.86
Calef road.....	Welch avenue, northerly.....	600	3	2,040	2.81	.40	3.21	.05	3.86
Central south back.....	Pine to Union.....	520	3	1,560	2.74	.40	3.14	.05	3.99
Central so. back, west.....	Franklin west back, westerly.....	920	3	2,760	2.81	.40	3.21	.05	3.86
Chestnut.....	Harrison to Budget.....	700	5-7	4,000	3.76	.70	4.46	.03	5.24
Cilley road.....	Jewett east and west.....	700	1	1,700	1.40	.20	1.60	.05	2.15
Clay.....	Union to Beech.....	600	3	1,800	2.08	.40	2.48	.05	3.03
Cleveland.....	Wilson to Hall.....	510	5	2,550	1.40	.20	1.60	.05	2.15
Conant.....	Second to Blaine.....	1,040	3	3,120	4.33	1.00	5.33	.10	6.43
Conant.....	Quincy, westerly.....	320	5	1,600	2.88	.40	3.28	.05	3.83
Conant road.....	Conant road, easterly.....	500	4	2,000	2.81	.40	3.21	.04	3.65
Conant road.....	Conant road, north and south.....	940	3-4	3,540	4.22	.60	4.82	.08	5.70
Dix.....	Maple to Lincoln.....	650	3	1,950	2.08	.40	2.48	.10	3.91
Dubuque east back.....	Pittman to south of Sullivan.....	930	3	2,790	2.16	.30	2.46	.10	3.63
Fifth Avenue lane.....	Amory to Kelley.....	710	3	2,130	1.40	.20	1.60	.05	2.45
Franklin.....	Spruce to Cedar.....	220	3	660	1.30	.20	1.50	.03	2.33
" west back.....	Depot to Granite.....	280	5	1,400	1.41	.20	1.61	.10	2.51
Granite.....	W. Central to W. Merrimack.....	550	3	1,650	2.08	.40	2.48	.05	3.03
Hall road.....	Depot to West Central.....	290	3	870	2.81	.40	3.21	.05	3.99
Hampshire lane.....	Calef road to Beech.....	1,500	3	4,500	4.05	.20	4.25	.12	5.37
Hampshire lane.....	Nelson to Lake avenue.....	170	6	1,020	1.41	.20	1.61	.10	2.71
Hampshire lane.....	Mechanic to Water.....	2,100	3	6,300	3.86	.30	4.16	.20	5.16
Hayward.....	Pine to Union.....	260	6	1,560	2.11	.30	2.41	.03	3.24
Hove.....	Maple to Lincoln.....	550	5-7	3,500	2.07	.40	2.47	.05	3.42
Hove.....	Amherst to Concord.....	650	3	1,950	1.56	.30	1.86	.05	2.61
Jewell.....	Gilley road, north and south.....	430	3	1,290	.90	.20	1.10	.05	1.65
Laurel.....	Pine to Beech.....	740	1-3	1,500	1.40	.20	1.60	.05	2.15
Londonderry lane.....	Wayne to Amory.....	1,040	5-7	6,000	2.81	.40	3.21	.05	3.86
Main.....	Wayne to Amory.....	1,010	3	3,120	2.81	.40	3.21	.10	4.11
		580	5-6	3,250	4.32	.60	4.92	.05	5.57

Main, South.	A southerly	2,600	5	13,000	\$8.56	\$1.40	\$9.96	2.00	...	...	\$12.49	\$4.93	\$127.47	\$371.05
Manchester.	Blaine to north of Milford.	920	5-7	5,000	...	...	...	...	...	...	...	...	...	...
Maple.	Chestnut to Beech.	1,450	5-7	8,570	5.62	.80	...	3.00	.12	\$2.12	3.00	.12	3.12	2.12
Mast.	Silver to Willow.	2,930	3	8,790	9.36	1.80	11.16	7.15	.24	7.39	7.15	.24	7.39	18.55
Merrimack south back	Bowman to William.	1,000	5	5,000	2.81	.40	3.21	4.00	.10	4.10	4.00	.10	4.10	7.31
Monadnock lane.	Pine to Union.	500	3	1,500	2.81	.40	3.21	2.50	.05	2.55	2.50	.05	2.55	5.76
Monroe.	" "	550	3	1,650	2.80	.40	3.20	1.60	.05	1.65	1.60	.05	1.65	4.85
Myrtle.	Elm to River road.	710	3-5	2,950	...	...	...	2.00	.10	2.10	2.00	.10	2.10	4.85
Nicolet lane.	Elm to Pine.	1,080	5-6	5,700	4.52	.80	5.32	1.93	.15	2.08	1.93	.15	2.08	7.43
North.	Main to McGregor.	440	3	1,320	3.52	.50	4.02	1.20	.05	1.25	1.20	.05	1.25	2.28
Orange.	Chestnut to Pine.	620	5-7	2,060	1.43	.20	1.63	.60	...	...	.90	...	...	3.65
Pearl.	Elm to Chestnut.	700	5	3,800	5.26	1.00	...	2.80	.06	2.86	2.80	.06	2.86	9.12
Pearl south back.	Russell to Ashland.	300	3	900	1.36	.20	1.56	.40	.13	.43	.40	.13	.43	1.99
Pine.	Ashland to Morrison.	1,665	3	4,995	2.07	.40	2.47	2.50	...	...	2.50	...	...	5.12
"	Willow to Hay ward.	1,220	5-7	7,295	10.53	1.50	12.03	3.60	.15	3.75	3.60	.15	3.75	15.78
"	Central to Hanover.	900	3	2,970	3.12	.60	3.72	2.75	.10	2.85	2.75	.10	2.85	6.57
"	Sagamore to North.	130	3	390	1.56	.30	1.86	.20	.03	.23	.20	.03	.23	2.09
"	High to High south back.	650	3	1,950	1.56	.30	1.86	1.33	.05	1.38	1.33	.05	1.38	3.24
Prescott.	Maple to Lincoln.	500	3	1,500	4.27	.60	4.87	.80	.05	.85	.80	.05	.85	5.72
Reed east back.	Anory to Kelley.	940	5	4,900	3.52	.50	4.02	1.60	.10	1.70	1.60	.10	1.70	5.72
Riddle.	Mast to Milford.	1,210	3	3,630	2.74	.40	3.14	2.40	.10	2.50	2.40	.10	2.50	5.61
River road.	Bremor to Coolidge avenue.	650	3-5	2,150	2.11	.30	2.41	1.20	.05	1.25	1.20	.05	1.25	3.46
Second.	West Hancock to Webster.	200	3	600	1.56	.30	1.86	...	...	...	...	...	...	1.86
Shasta.	West Hancock to Bridge.	1,300	3	3,900	2.60	.50	3.10	2.50	.12	2.62	2.50	.12	2.62	5.72
Silver.	Beech to Lincoln.	650	3-4	2,350	3.46	.80	4.26	3.10	.05	3.05	3.10	.05	3.05	7.31
Spruce.	Chestnut westerly.	280	1	880	1.30	.20	1.50	.20	.02	.22	.20	.02	.22	1.72
"	Fifth A. v. la. to Manhattan la	610	3	1,050	1.30	.20	1.50	.40	.03	.43	.40	.03	.43	1.93
Union.	Valley to Grove.	600	3	1,800	3.60	.80	4.40	1.20	.05	1.25	1.20	.05	1.25	5.65
"	Spruce to Central.	320	5-7	3,200	2.07	.40	2.47	2.40	.05	2.45	2.40	.05	2.45	4.92
"	Manchester to Hanover.	320	3-5	1,160	2.07	.40	2.47	1.60	.05	1.65	1.60	.05	1.65	4.27
Valley.	Lowell to High.	410	5	2,050	2.81	.70	3.51	.80	.05	.85	.80	.05	.85	4.06
Warren.	Taylor to Cypress.	700	3	2,100	4.92	.70	5.62	2.00	.05	2.05	2.00	.05	2.05	7.67
Washington.	Elm to Birch.	550	5	2,750	2.81	.40	3.21	1.60	.05	1.65	1.60	.05	1.65	4.86
Wayne south back.	Mam to McGregor.	320	5-7	1,800	1.40	.30	1.60	1.20	.03	1.23	1.20	.03	1.23	3.69
Westworth.	West Hancock to Schiller.	1,470	3	4,410	4.92	.70	5.62	2.13	.12	2.25	2.13	.12	2.25	7.87
Willow.	Second to Wentworth.	655	1	1,965	2.07	.40	2.47	2.01	.05	2.06	2.01	.05	2.06	4.53
Wilson.	Harvey road northerly.	640	3-5	640	3.52	.50	4.02	.60	.05	.65	.60	.05	.65	4.67
	Spruce to Lake avenue.	320		1,000	2.07	.40	2.47	1.10	.03	1.13	1.10	.03	1.13	3.60
		54,220		206,885	\$209.59	\$34.00	\$243.58	\$122.49	\$4.93	\$127.47				

TABLE No. 32.
COST RECORD—STREET SIGNS.

No. of signs.	Labor.	Team.	Stock.	Total.
173*	\$31 07	\$9.69	\$97.39	\$138.15

* Name of street painted on both sides of sign; sign secured in cast iron hanger by two nails, and hanger fastened by four nails to trees, wooden electric light poles, wooden trolley poles, and telephone poles. (Stock includes one sign, one sign hanger and six nails.)

Average cost of labor per sign for 173 signs.....	\$0.179
Average cost of team per sign for 173 signs.....	.056
Average cost of stock per sign for 173 signs.....	.563
Total average cost per sign for 173 signs.....	\$0.798

TABLE No. 33.
COST RECORD—STREET NUMBERING.

No. of orders.	Labor.	Team.	Stock.	Total.
69	\$36.40	\$7.24	\$11.23	\$54.87

TABLE No. 34.
COST RECORD—CEMETERIES.

No. of orders.	LOCATION.	OFFICE WORK.			FIELD WORK.			Total cost.
		Labor.	Stock.	Total.	Labor.	Team.	Stock.	
1	Valley cemetery.....	.....	.....	.....	\$4.82	\$0.70	\$0.13	\$5.65
26	Pine Grove cemetery.....	\$6.20	\$0.42	\$6.62	74.31	13.80	0.15	95.18
27		\$6.20	\$0.42	\$6.62	\$79.13	\$14.50	\$0.28	\$100.83

TABLE No. 35.

COST RECORD—STREET AND PARK COMMISSIONERS' ORDERS.

No. of orders.	DESCRIPTION OF WORK.	Labor.	Team.	Stock.	Total cost.
52	Building streets (paving lines and grades)	\$164.79	\$24.40	\$8.50	\$197.69
44	Corner curbing (lines and grades).....	94.68	13.80	5.17	113.65
1	Corning and Conant roads.....	11.95	1.70	0.75	14.40
1	Culvert, Calef road.....	2.11	0.30	0.02	2.43
3	Culvert, Putnam street.....	16.32	2.50	0.21	19.03
8	Franklin street (lines and grades).....	16.35	2.10	3.99	22.44
4	Granite street (lines and grades).....	10.89	1.60	1.81	14.30
57	Gutter curbing (lines and grades).....	130.69	18.30	8.85	157.84
20	Gutter paving (lines and grades).....	37 14	5.60	0.85	43.59
9	Hall road (lines and grades).....	29.18	4.10	1.11	34.39
1	Lafayette park.....	4.57	0.70	0 15	5.42
9	Mass street (lines and grades).....	34 15	4.80	1.24	40.19
13	Miscellaneous surveys and grades.....	24 35	3.75	0.40	28.50
18	Pine street (lines and grades).....	35.18	5.00	1.71	41.89
*60	Sewers (lines and grades).....	149.82	21.55	0 16	171 53
11	Union street, Hanover to Merrimack....	20.66	3.00	1.74	25.40
9	“ Merrimack to Laurel.....	26.69	4.00	2.58	33.27
6	“ Laurel to Auburn.....	13.07	2.00	1.28	16 35
10	“ Lowell to Prospect.....	19.65	2.90	1.09	23.64
5	Willow (bridge).....	32.74	5.00	0.18	37.92
341		\$874.08	\$127 10	\$41.79	\$1,043.87

* The cost of sewer preliminary field and office work, location field work and finished plans is as follows:

DESCRIPTION.	Labor.	Team.	Stock.	Total cost.
Preliminary field work (Table No. 31).....	\$8.05	\$1.50	\$0.15	\$9.70
Preliminary office work (Table No. 31).....	1.46	.....	.....	1.46
Location field work (Table No. 35).....	149.82	21.55	0.16	171.53
Finished plans (estimated)*.....	\$159.33 100.00	\$23 05	\$0.31 25 00	\$182.69
	\$259.33	\$23.05	\$2 31	\$307.69

* This work is done the first of the year following construction.

Expended by the Street and Park Commissioners in constructing sewers, \$25,631.95—(see table No. 24.)

Cost of engineering, \$307.69, or .012 per cent.*

TABLE No. 36.
SUMMARY OF TABLES Nos. 29, 30, 31, 32, 33, 34, 35, AND THE UNNUMBERED TABLE UNDER ASSESSORS' LOT PLANS.

No. OF TABLE.	No. of orders.	FIELD WORK.			OFFICE WORK.			Total cost.
		Labor.	Team.	Stock.	Total.	Labor.	Stock.	Total.
29.....	71	\$124.38	\$17.55	\$35.02*	\$176.95	\$122.49	.....	\$176.95
30.....	143	200.58	34.00	.....	243.58	13.36	\$4.98	371.05
31.....	222	523.62	79.15	7.51	610.28	.....	.62	624.26
32.....	173	31.07	9.69	97.39†	138.15	.....	.....	138.15
33.....	69	36.40	7.24	11.23‡	54.87	.....	.....	54.87
34.....	27	79.13	14.50	.28	93.91	6.20	.42	100.53
35.....	341	874.98	127.10	41.79	1,043.87	.....	.....	1,043.87
Under assessors' lot plans ..	365	81.54	49.80	.30	131.64	685.50	37.00	854.14
	1,351	\$1,960.70	\$339.03	\$193.52	\$2,493.25	\$827.55	\$43.02	\$3,363.82

*Highway bounds. †Street signs. ‡Street numbers.

To His Honor the Mayor, the board of aldermen, the gentlemen of the common council, and the various committees, with whom in the performance of my duties I have come in contact, I wish to express my appreciation of the assistance and support you have rendered to me during the year.

My acknowledgments are due the gentlemen of the street and park commission for their courtesy, consideration and co-operation in matters in which we were mutually engaged.

SAMUEL J. LORD,
Chief Engineer of the City.

REPORT OF THE CITY PHYSICIAN.

REPORT OF THE CITY PHYSICIAN.

To His Honor the Mayor and City Councils of the City of Manchester, N. H.:

GENTLEMEN:—I herewith submit my annual report as physician for the year 1907:

Number of patients left over by the preceding city physician, none.

Number of new patients treated, *not* including those at the Isolation Hospital, police station or for the board of health was 40, necessitating 609 house calls and 281 office calls.

Visits to police station.....	212
Visits to Isolation Hospital.....	153
Miscellaneous visits for board of health.....	69
Obstetric cases	1

Respectfully submitted,

GEORGE L. BASTIAN,

City Physician.

REPORT OF OVERSEERS OF THE POOR.

REPORT OF THE OVERSEERS OF THE POOR.

To His Honor the Mayor and Gentlemen of the City Councils:

In compliance with the ordinance of said city councils, the overseers of the poor herewith present their report:

There has been a considerable increase in the number of families assisted. During the year it became necessary to increase the amounts given to some of the large families on account of the high prices charged for what enters into the daily necessities of life, so that the board was obliged to exceed its appropriation. They could not avoid it unless they let poor people go without fuel, provisions, etc. More than half of our appropriation was expended on charitable institutions as follows:

Industrial School	\$1,093.70
County farm, Grasmere	1,170.70
State Hospital	52.98
Notre Dame Hospital.....	217.50
Sacred Heart Hospital.....	4.00
St. Joseph's Orphanage.....	644.00
St. Patrick's Orphanage.....	175.00
Notre Dame Orphanage.....	306.00
St. Peter's Orphanage.....	197.00
Old Ladies' Home.....	152.00
Infants' Asylum	238.00
For funerals	208.00
For medicine	352.60
Wood furnished	684.34
Coal furnished	312.55
Board furnished in families.....	1,745.99
Shoes and clothing.....	198.85
Rents paid	151.50
Mayor's order	38.75
Miscellaneous	358.52
	<hr/>
	\$8,801.98
For provisions	6,179.00
	<hr/>
Total expenditures	\$14,980.98
Appropriation	13,000.00
	<hr/>
Overdrawn	\$1,980.98

The foregoing amounts were distributed by the different wards as follows:

Ward 1	\$931.67
Ward 2	554.13
Ward 3	422.81
Ward 4	507.32
Ward 5	3,888.14
Ward 6	891.13
Ward 7	214.50
Ward 8	1,871.15
Ward 9	3,613.47
Ward 10	1,728.14
	<hr/>
	\$14,622.46
Miscellaneous	358.52
	<hr/>
	\$14,980.98

Respectfully submitted,
 THOMAS C. STEWART,
Clerk.

In the soldiers' and sailors' account appropriation was for one soldier, but there has been three part of the time. This accounts for the appropriation being overdrawn.

Appropriation was	\$125.00
Expended	285.44
	<hr/>
Overdrawn	\$160.44

Respectfully submitted,
 THOMAS C. STEWART,
Clerk.

REPORTS
OF THE
TRUSTEES OF CEMETERIES AND
CEMETERY FUNDS.

REPORTS OF THE TRUSTEES OF CEMETERIES AND CEMETERY FUNDS.

*To the Honorable Board of Mayor and Aldermen of the City of Manchester,
and the Board of Trustees of Cemeteries:*

GENTLEMEN:—In behalf of the subtrustees of the Pine Grove cemetery, I submit the following as the annual report for the year 1907:

The appropriation for the care of the cemetery for 1907 was twelve thousand dollars, which sum was expended for the usual purposes of care and maintenance of the grounds. There was paid into the city treasury as receipts for water bills and for the care of lots, for the sale of flowers, for interments and removals, for use of chapel and sundries, and for the sale of lots the sum of ten thousand one hundred and four dollars and sixty cents, leaving the net cost to the city for the care of the cemetery one thousand eight hundred and ninety-five dollars and forty cents.

The common council made a special appropriation of one thousand and two hundred dollars for the purpose of purchasing the Webster clay bank. The owners of the bank early in the year gave to the city for that sum a deed of all the clay in the bank, with the right to remove the same within twenty years. This is a purchase which will save the city a good deal of money and which leaves near at hand an available supply of clay, which is constantly needed in the making of new lawns, and which would be obtained from no other convenient place.

The common council also made a special appropriation of five thousand dollars for the development of a small lake in the northern portion of the grounds. There has been in that place a low, marshy pond in the midst of a grove, which the trustees have for many years desired to see improved. His honor, Mayor Reed, recommended to the common council an appropriation for the purpose of beautifying this spot, and the common council made the before mentioned appropriation. The work was begun, and, with the assistance of the city engineer, a plan was made for a lake, with an island and a fountain on it, the banks to be grassed, with shrubs and flower plots. During 1907 the preliminary work was done, which consisted in removing the muck from the pond, over fourteen hundred loads having been taken out, all of which is useful and valuable for dressing. An island was also built, with heavy retaining walls, and the shore line of the pond was walled over fifteen hundred feet in length. The banks were

filled and graded, over twenty-one hundred and eighty-five loads of gravel and seven hundred and sixty-three loads of sand being used for that purpose. A drain was laid to care for the surplus water, cess-pools and a manhole were built and water pipe laid to connect with the fountain on the island, and quite a quantity of loam was purchased for use the coming year in the preparation of the banks. Another similar appropriation for the year 1908 will be needed to complete the work; but when done there will be a beauty spot in the cemetery which no one can fail to admire. In the work of dredging it was necessary to remove the water then there by pumping, and the Amoskeag Manufacturing Company kindly donated to the trustees the use of a pump for that purpose, and the Brodie Electric Company donated the use of a five-horse power electric motor. The thanks of the subtrustees are extended to each of these corporations for their public-spirited gifts.

During the year an additional horse and a two-horse dumpcart were purchased. The extension to Hillside Lawn, containing eighty-two lots, was completed and made ready for sale, and a large lawn of lots under perpetual care was graded and will be ready for use the coming year. It was named Lakeside Lawn. The border west of Riverside Lawn was extended one hundred and thirty-five feet and plants and shrubs were set out in this section. Five hundred and twenty-six trees and shrubs were set out during the year. Five hundred and ninety-two feet of water pipe were laid, and eight new hydrants were put in.

The subtrustees would acknowledge thankfully the receipt from the board of trustees of the cemetery fund of the sum of eight hundred dollars, which was expended in grading and filling paths of sixty-two lots and in macadamizing thirty-three hundred and thirty-three square yards of avenues.

During the year there were three hundred and thirty-five interments in the cemetery; four bodies were removed to other cemeteries; seven bodies were removed from other cemeteries to the Pine Grove cemetery, and fifteen were removed from one lot to another in that cemetery. The total number of interments in the grounds up to January, 1908, were eight thousand one hundred and sixty. There had been sold up to January 1, 1907, twenty-nine hundred and thirty-five lots, and during the year 1907 five lots were sold on Chapel Lawn, twenty-one on Cedar Lawn, one on Pine Lawn, and one on Riverside Lawn, all under perpetual care; twenty-nine on Hillside Lawn under semiperpetual care, one on Acacia Lawn and two on Swedish Lawn. Single graves were sold on Woodside Lawn during the year to the number of eighteen and four on Swedish Lawn, making a total of forty-five graves which have been sold on Woodside Lawn, and one hundred and sixty-one single graves on Swedish Lawn. There remain unsold four lots on Acacia Lawn, which are not under any care by the authorities. On Hillside Lawn there are one hundred and seven

lots unsold which are under semiperpetual care. On Swedish Lawn there are eighteen unsold lots and four hundred and ten single graves. On Woodside Lawn there remain unsold eighty-three single graves. There are unsold, under perpetual care, forty-seven lots on Chapel Lawn, four on Riverside Lawn and fifteen on Cedar Lawn.

During the year four hundred and sixty-one ordinary lots were cared for by the superintendent, and the water and labor were paid for by the owners. There are now six hundred and sixty-five lots under perpetual care and two hundred and fifty-six under semiperpetual care. The average number of men employed during the year was twenty. Foundations were laid for sixty-four monuments, for twenty tables and for one mausoleum.

At the Merrill yard the usual work was performed in caring for the grounds, and the appropriation of one hundred dollars was fully expended therefor.

As the subtrustees have stated in former reports, the work necessary for the care of the cemeteries increases each year and must continue to do so. With the increased work an increased appropriation is indispensable. But fortunately the receipts from payments by lot owners and from the perpetual care fund for the care of lots and from sales of lots, keep pace with the expenditures, so that the net cost to the city treasury grows little larger. And as the perpetual care fund is constantly increasing and constantly bears an increasing portion of the expense, the real cost to the city bids fair to grow smaller rather than larger.

EDWIN F. JONES,
For the Subtrustees.

To the Trustees of Cemeteries and Board of Mayor and Aldermen:

GENTLEMEN:—The subtrustees of the Valley cemetery would report for the year 1907 as follows:

This cemetery has for the past year, as for some time prior thereto, been under the general superintendence of Eugene C. Smith. The fact that it is one of the older cemeteries, with practically its general arrangement all planned out years ago, precludes any elaborate scheme of present improvements.

Such work as is done outside of the usual work of caring for the lots, watering and caring for the grass, walks, etc., must be along the lines of improving and bettering the conditions as they now exist, rather than in planning new and elaborate work.

The regular routine work includes the care of two hundred and seven private lots, for which the owners paid for labor and water, and one hundred and eighty-one lots under perpetual care. No new lots were sold during the past year; in fact, the city has none to sell.

There were in all fifty-nine bodies placed in the tomb, and fifty-eight interments, with eight removals of bodies. The foundations for

five new monuments and eleven headstones were erected, and ten headstones were repaired.

The improvements, apart from the planting of shrubs and flowers throughout the entire cemetery, have been confined largely to the southern half thereof, where some sixty-eight hundred and fifty feet of new lawn have been graded in an attempt to bring that part of the cemetery to substantially the same grade, giving it the general effect of a landscape lawn, as the paths between the lots have been sodded down.

This has, with other work, necessitated the removal of some five hundred loads of sand, the purchase of one hundred and sixty-eight loads of loam, and twenty-one hundred and fifty-five square feet of turf and ten cords of dressing. But the general appearance has been so improved as to warrant the continuance of the work along these same lines.

Thirteen hundred and thirty-five yards of road bed have been macadamized, and six hundred feet of curbing and edging for the driveways have been placed.

This report would not be complete unless mention was made of that public spirit which prompted Mrs. Moody Currier to donate new gates and posts and approaches to the Chestnut-street entrance.

No work of late years has added more to the good looks or contributed more to the comfort of those who have occasion to use this cemetery than her thoughtfulness, and the citizens of this city may well remember her with pleasure and gratitude.

F. C. LIVINGSTON,
Clerk of Board of Trustees.

Amoskeag Cemetery. (For the Year Ending 1907.)

Of the appropriation for the year.....	\$500.00
There has been expended for	
Labor	\$197.33
Fence bought	299.25
Supplies	21.54
Water	12.00
	\$530.12
Old fence sold.....	30.00
	\$0.12
Overdrawn	

Nine hundred and sixty-two feet of fence were painted.

There have been nine burials in the yard during the year 1907.

GEORGE C. HARWOOD,
Superintendent.

ATTEST:

W. H. MAXWELL,
Clerk.

TREASURER'S REPORT.

To the Trustees of Cemeteries:

GENTLEMEN:—I herewith present to you the annual report of money received during the year ending December 31, 1907:

	Interest.	Price of Lots.	Permanent Fund.	Total.
Delia W. Morse.....		\$68.88		\$68.88
Sophia Patterson		19.35		19.35
Louise Becker	\$2.80	36.83		39.63
J. G. Jones (path).....		6.17		6.17
Mrs. Ida Clauson.....		21.82		21.82
Arthur B. Broadhead.....		39.00	\$48.75	87.75
Martin Monroe		22.00	27.50	49.50
Sophia Stewart		28.80	36.00	64.80
Annie G. Hartshorn		33.80	42.25	76.05
Joseph J. Booth.....	1.95	20.00	25.00	46.95
Permilila M. Smith.....		31.20	39.00	70.20
Louis Lamora	3.74	33.80	42.25	79.79
Marie Hecker		39.00	48.75	87.75
Frank G. Putney		33.80	42.25	76.05
Mary E. Walsh.....		33.80	42.25	76.05
Laura M. Churchill		36.86	46.07	82.93
John W. Gott.....		39.00	48.75	87.75
Allie A. Vail.....	.96	35.10	43.87	79.93
David N. Ellison.....		39.00	48.75	87.75
Frank Guyette	2.55	27.50	34.37	64.42
Fred C. Porter		39.00	48.75	87.75
Sadie Doucet	10.47	60.00	75.00	145.47
Estate Ida F. Elliott.....		48.10	60.13	108.23
Susan R. Brown.....		36.40	45.50	81.90
George T. Webb.....	5.28	24.00	30.00	59.28
August L. Benedix.....		36.40	45.50	81.90
J. C. McClary.....	1.66	31.20	39.00	71.86
George W. Reed.....		45.48	56.86	102.34
Frank Vallie		19.74	24.67	44.41
Johanna Kemnitzner		15.55	19.45	35.00
Frank C. Walker.....	3.44	36.00	45.00	84.44
Jacob Schneider		17.30	21.64	38.94
William H. H. Nichols.....		37.78	103.91	141.69
Allan N. Wilson	21.56	29.04	79.88	130.48
James M. Richardson.....		58.49	160.86	219.35

	Interest.	Price of Lots.	Permanent Fund.	Total.
Josiah C. Rollins.....		\$30.06	\$82.66	\$112.72
Julia M. Forrest.....		33.04	90.84	123.88
Henri Gazaille	\$7.35	41.90	115.24	164.49
Frank M. Randall.....		39.79	109.43	149.22
Mary Ann Powers.....		56.86	156.38	213.24
Elizabeth C. Sargent.....		40.01	110.02	150.03
Walter O. Clarkson.....		49.28	135.52	184.80
Edmund B. Hull.....		69.92	192.29	262.21
Albert D. Sherer.....		42.84	117.83	160.67
Alonzo H. Weston.....		156.25	468.75	625.00
Elizabeth B. Gage.....		39.71	109.20	148.91
Edwin R. Weston.....		30.45	83.75	114.20
Fred W. Towle.....		31.99	87.98	119.97
John Pollard, Jr., and Flora Cummings .....	.20	40.47	111.30	151.97
Frank P. Kimball.....		10.00	40.00	50.00
Estate of Ernest Schwotzer...		38.66	106.32	144.98
Mrs. Etta E. Newman.....	1.61	42.94	118.10	162.65
Frank P. Carpenter.....		267.07	801.23	1,068.30
William Corey		255.62	766.86	1,022.48
Nora G. Simpson.....	1.14	30.38	83.56	115.08
Jennie M. Doe.....		113.44	340.34	453.78
Clarence R. Merrill.....	2.58	48.55	133.52	184.65
Charles E. Crosby.....		58.33	160.42	218.75
J. Adam Graf.....		30.00	82.50	112.50
Emma J. Hamlin.....	45.97	74.00	203.50	323.47
Charles Winlock.....		39.00	107.25	146.25
William H. Smith.....	2.50	44.80	123.21	170.51
Robert A. Partridge.....	2.00	55.66	153.07	210.73
Burton and Lucy M. Stewart..	2.12	50.82	139.75	192.69
Lizzie O. Batchelder.....		10.00	8.00	18.00
John L. Wyman.....		20.00	16.00	36.00
Margaret J. Bennett.....		10.00	8.00	18.00
Orpha A. Coonley.....		10.00	8.00	18.00
Horace G. Moody.....		20.00	16.00	36.00
George H. Warfield.....		10.00	8.00	18.00
Carrie Messer		10.00	8.00	18.00
Almira J. A. Cluff.....		10.00	8.00	18.00
Henry C. Parsons.....		20.00	16.00	36.00
Margaret H. Stevens.....		10.00	8.00	18.00
Paul Pfretzschner		10.00	8.00	18.00
Mary R. St. Denis.....		10.00	8.00	18.00
Mary A. Bean.....		10.00	8.00	18.00
Estate of John Davis.....		10.00	8.00	18.00

REPORT OF THE TRUSTEES OF CEMETERIES. 531

	Interest.	Price of Lots.	Permanent Fund.	Total.
A. T. Standhope.....		\$10.00	\$8.00	\$18.00
Interest	\$119.88			
Sale of lots.....		\$3,222.03		
Permanent fund			\$6,946.78	
Total receipts, sale of lots....				\$10,288.69
J. H. Erskine, superintendent, care of lots.....				6,762.69
Total				<u>\$17,051.38</u>

CR.

By amount paid to cemetery fund:	
perpetual care lots.....	\$5,675.47
single graves, Woodside Lawn.....	144.00
partial perpetual care lots, Hillside Lawn.....	1,127.31
	<u>\$6,946.78</u>
Treasurer's receipts for amount paid to city.....	3,341.91
Superintendent's receipts for amount paid to city.....	6,762.69
Total	<u>\$17,051.38</u>

Merrill Yard Cemetery.

From Charles F. Pingree, lot sold.....	\$14.12
J. H. Erskine, superintendent, care of lots.....	41.50
	<u>\$55.62</u>

CR.

Treasurer's receipts for amount paid to city.....	\$14.12
Superintendent's receipts for amount paid city.....	41.50
	<u>\$55.62</u>

Valley Cemetery.

From Nella A. Chamberlin (path).....	\$13.50
Charles W. Stevens (path).....	15.00
estate of Lucinda L. Farmer.....	15.00
George W. Gardner.....	15.00
A. L. Walker.....	15.00
E. C. Smith, superintendent.....	1,710.50
	<u>\$1,784.00</u>

CR.

By treasurer's receipts for amount paid to city.....	\$73.50
By superintendent's receipts for amount paid to city...	1,710.50
	<hr/>
	\$1,784.00

Respectfully submitted,

FRED L. ALLEN,

Treasurer of Trustees of Cemeteries.

I hereby certify that I have examined the accounts of Fred L. Allen, treasurer of the trustees of cemeteries, and find the same are correctly cast and vouched for.

JAMES E. DODGE,

City Auditor.

To the Trustees of the Cemetery Fund:

GENTLEMEN:—I herewith submit to you the twenty-fifth annual report of the funds received and expenses paid to January 1, 1908:

Pine Grove Cemetery.

Amount of permanent fund January 1, 1907..... \$95,549.12

RECEIPTS DURING THE YEAR.

From H. B. Fairbanks.....	\$100.00
H. A. Berger, administrator of the estate of Herman Koehler.....	100.00
John S. Sanborn.....	176.80
Eliza A. Uhlig.....	144.00
Moses Goldsmith	160.00
Annie T. Noyes.....	144.00
Lillah H. McKinnon.....	115.20
Henry Heap	120.00
William McElroy	160.00
Samuel Quimby	113.57
Alice C. Taggart.....	119.31
Carrie M. Leavitt.....	129.60
Charles M. Wheeler.....	145.00
R. E. Young.....	111.60
S. W. Bullock.....	100.00
J. C. Gilmore.....	120.00
William H. Philbrick.....	100.00
Minnie C. Harlow.....	144.00
Transferred from Pine Grove cemetery re- ceipts, perpetual care lots.....	5,675.47

Partial perpetual care lots, Hillside Lawn...	\$1,127.31
Partial perpetual care lots, single graves, Woodside Lawn	144.00

Receipts for the year.....	\$9,249.86
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Total of fund	\$104,798.98
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CR.

By bonds on hand.....	\$88,050.00
By cash on hand.....	16,748.98

	\$104,798.98
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INCOME ACCOUNT.

Income on hand January 1, 1907.....	\$3,221.55
Interest savings bank.....	\$394.15
Interest savings bank, Hillside Lawn.....	260.63
Interest savings bank, Woodside Lawn.....	9.81
Interest coupons	3,582.50

Income for the year.....	4,247.09
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Total	\$7,468.64
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EXPENSES PAID DURING THE YEAR.

R. L. Day & Co., accrued interest on bonds bought	\$58.89
Charles D. Boynton.....	12.00
E. G. Libbey.....	33.00
John B. Varick Co.....	24.00
Harry J. Briggs.....	12.42
W. E. Dunbar & Sons.....	108.00
John D. French.....	305.75
Walter R. Cox.....	3.00
Hedding Transfer Co.....	15.00
Charles R. Martin.....	9.00
Manchester Hardware Co.....	78.45
J. H. Erskine, superintendent, care of per- petual care lots	2,221.00
J. H. Erskine, superintendent, care of lots Hillside Lawn	260.63
J. H. Erskine, superintendent, care of lots Woodside Lawn	9.81
Frank G. Riley.....	91.50

Palmer & Garmon.....	\$18.85
Charles A. Bailey.....	510.62
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Total expenses	\$3,771.92
Cash income on hand.....	3,696.72
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	\$7,468.64
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Valley Cemetery.

Amount of permanent fund January 1, 1907.....	\$32,357.07
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RECEIPTS DURING THE YEAR.

From John H. Kennedy.....	\$100.00
Mrs. John Wadleigh.....	120.00
Edwin F. Jones, executor of the es- tate of D. L. Stevens.....	173.50
Mrs. Parker Houston.....	100.00
Mrs. Samuel Wheeler.....	120.00
Julia A. Barker.....	316.80
Nella A. Chamberlin.....	126.40
Asa T. Truell.....	104.80
Mrs. H. K. Perry, administratrix....	52.40
E. B. Edwards.....	52.40
A. P. Horne, executor of the estate of Rachael Hall	300.00
estate of Emily H. Handy.....	104.80
Mary A. Smith, administratrix.....	150.00
John H. Andrews for Mary A. Wheeler and Adalaine C. Page.....	200.00
Nellie F. Paige.....	100.00
Susan A. Rowell, executor.....	200.00
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Receipts for the year.....	2,321.10
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Total of fund.....	\$34,678.17
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CR.

By bonds on hand.....	\$31,500.00
By cash on hand.....	3,178.17
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	\$34,678.17
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REPORT OF THE TRUSTEES OF CEMETERIES. 535

INCOME ACCOUNT.

Income on hand January 1, 1907.....	\$3,850.85
Interest coupons	\$1,350.00
Interest savings banks.....	192.63
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Income for the year.....	1,542.63
	<hr/>
Total	\$5,393.48
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EXPENSES PAID DURING THE YEAR.

Albert Warren	\$32.00
Pine Grove cemetery.....	41.50
F. G. Stark.....	22.50
W. E. Dunbar & Sons.....	186.75
Street and Park Commission.....	233.37
Charles A. Bailey.....	149.43
E. C. Smith, superintendent.....	702.00
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Total expenses	\$1,367.55
Cash income on hand.....	4,025.93
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	\$5,393.48
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Merrill Cemetery.

Amount of permanent fund January 1, 1907.....	\$387.89
From Philie S. Ried, lot No. 57.....	\$100.00
Philie S. Ried, lot No. 53.....	100.00
Philie S. Ried, lot No. 60.....	100.00
Mrs. L. E. Gage.....	100.00
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Receipts for the year.....	400.00
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Total	\$987.89
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CR.

By bonds on hand.....	\$450.00
By cash on hand.....	537.89
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	\$987.89
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INCOME ACCOUNT.

Income on hand January 1, 1907.....		\$280.00
Interest coupons	\$22.50	
Interest savings bank.....	15.77	
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Income		38.27
	<hr/>	
Total		\$318.27
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CR.

J. H. Erskine, supt., care of perpetual care lots.....		\$9.00
Cash income on hand.....		309.27
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Total		\$318.27
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Gale Fund, Valley Cemetery.

Income on hand January 1, 1907.....		\$170.82
Interest savings bank.....	\$6.68	
Interest from fund.....	12.20	
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		18.88
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		\$189.70
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CR.

Paid Eugene C. Smith, supt., for care of Gale tomb.....		\$6.00
Cash on hand.....		183.70
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		\$189.70
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Respectfully submitted,

FRED L. ALLEN,

Treasurer of the Trustees of the Cemetery Fund.

This is to certify that I have examined the books of account of Fred L. Allen, treasurer of the cemetery funds, embracing the receipts and expenditures for the year 1907, and I find the same correct and properly vouched. I have also examined the securities in which said fund is invested and find as follows:

PINE GROVE CEMETERY.

20 city of Manchester 5 per cent bonds, Nos.	
1, 2, 3, 5, 6, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18,	
22, 23, 24, 26, 28, due 1942; denomination	
\$1,000 each	\$20,000.00

2 city of Manchester 5 per cent bonds, Nos. 1, 2, due 1942; denomination \$500 each....	\$1,000.00	
1 city of Manchester 5 per cent bond, No. 3, due 1942	50.00	
14 city of Manchester 5 per cent bonds, Nos. 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, due 1913; denomination \$1,000 each.....	14,000.00	
1 city of Manchester 5 per cent bond, No. 2, due 1913.....	500.00	
5 city of Manchester 5 per cent bonds, Nos. 1, 2, 3, 9, 10, due 1913; denomination \$100 each	500.00	
11 city of Manchester 3½ per cent bonds, due 1919; denomination \$1,000 each.....	11,000.00	
6 city of Manchester 4 per cent bonds, due 1909	6,000.00	
1 city of Manchester 4 per cent bond, due 1913	1,000.00	
2 city of Manchester 4 per cent bonds, due 1916	2,000.00	
4 city of Manchester 4 per cent bonds, due 1917	4,000.00	
4 city of Manchester 3½ per cent bonds, due 1922	4,000.00	
5 city of Manchester 3½ per cent bonds, due 1919	5,000.00	
19 city of Manchester 4 per cent bonds, due 1915	19,000.00	
		\$88,050.00
Cash on deposit in Manchester Savings Bank, Book No. 50420.....	\$8,313.78	
Cash on deposit in Mechanics Savings Bank, Book No. 3413.....	4,283.13	
Cash on deposit in Mechanics Savings Bank, Book No. 4407.....	7,480.79	
Cash on deposit in Mechanics Savings Bank, Book No. 4522.....	368.00	
		20,445.70
Total amount of permanent fund and income Decem- ber 31, 1907.....		\$108,495.70

VALLEY CEMETERY.

4 city of Manchester 5 per cent bonds, Nos. 1, 6, 11, 18, due 1913; denomination \$1,000 each	\$4,000.00
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1 city of Manchester 5 per cent bond, No. 1, due 1913; denomination \$500.....	\$500.00	
3 city of Manchester 5 per cent bonds, Nos. 6, 7, 8, due 1913; denomination \$100 each..	300.00	
8 city of Manchester 5 per cent bonds, Nos. 4, 7, 12, 19, 20, 21, 25, 27, due 1942; denom- ination \$1,000 each.....	8,000.00	
2 city of Manchester 5 per cent bonds, Nos. 2, 4, due 1942; denomination \$50 each.....	100.00	
3 city of Manchester 4 per cent bonds, Nos. 3, 4, 5, due 1916.....	3,000.00	
3 city of Manchester $\frac{1}{2}$ per cent bonds, Nos. 81, 93, 100, due 1919; denomination \$1,000 each	3,000.00	
6 city of Manchester $\frac{1}{2}$ per cent bonds, due 1922	6,000.00	
6 city of Manchester 5 per cent bonds, Nos. 3, 4, 5, 6, 7, 8, due 1942; denomination \$100 each	600.00	
6 city of Manchester 4 per cent bonds, due 1915	6,000.00	
	<hr/>	\$31,500.00
Cash on deposit in Guaranty Savings Bank, Book No. 4257.....	\$518.69	
Cash on deposit in Mechanics Savings Bank, Book No. 5569.....	5,177.50	
Cash on deposit in Amoskeag Savings Bank, Book No. 68308.....	1,507.91	
	<hr/>	7,204.10
Total amount of permanent fund and income Decem- ber 31, 1907.....		\$38,704.10

MERRILL CEMETERY.

2 city of Manchester 5 per cent bonds, Nos. 4, 5, due 1913; denomination \$100 each....	\$200.00	
2 city of Manchester 5 per cent bonds, Nos. 1, 2, due 1942; denomination \$100 each....	200.00	
1 city of Manchester 5 per cent bond, No. 1, due 1942; denomination \$50.....	50.00	
Cash on deposit in Guaranty Savings Bank, Book No. 5116.....	\$16.01	
Cash on deposit in Amoskeag Savings Bank, Book No. 69517.....	831.15	
	<hr/>	
Total amount of fund and income December 31, 1907		\$1,297.16

GALE FUND.

Cash on hand in Amoskeag Savings Bank, Book No. 34108	\$183.70
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Total amount of permanent fund and income on hand	\$148,680.66
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JAMES E. DODGE,
City Auditor.

REPORT

OF THE

TRUSTEES OF THE SINKING FUND.

REPORT OF THE TRUSTEES OF THE SINKING FUND.

To the City Councils of the City of Manchester:

GENTLEMEN:—As required by chapter 37, section 2 of the city ordinances of Manchester, the trustees of the sinking fund of the city of Manchester herewith report the condition of the several funds January 1, 1908, with receipts and payments for the year ending December 31, 1907.

WILLIAM McELROY,
CHARLES H. MANNING,
FRED L. ALLEN,
Trustees of the Sinking Fund.

IMPROVEMENT LOAN.

DR.

Total amount of fund January 1, 1907, for the payment of improvement bonds.....	\$271,501.26
Appropriation for 1907.....	20,000.00
Income from interest on bonds.....	9,135.00
Income from bank deposits.....	685.73
	<hr/>
	\$301,321.99
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CR.

Accrued interest paid on bonds bought.....	\$503.78
Bonds on hand December 31, 1907.....	\$264,000.00
Cash on hand December 31, 1907.....	36,818.21
	<hr/>
	300,818.21
	<hr/>
	\$301,321.99
	<hr/>

WATER LOAN.

DR.

Total amount of fund January 1, 1907, for the payment of water bonds.....	\$238,095.63
Water works hydrant service, 1907.....	20,625.00
Appropriation, 1907	5,000.00
Accrued interest received for bonds sold.....	624.90
Income from interest on bonds.....	5,280.00
Income from bank deposits.....	118.69
	<hr/>
	\$269,744.22
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CR.

Amount paid city of Manchester for the payment of water bonds maturing January 1, 1907.....	\$100,000.00
Premium paid for bonds bought.....	125.00
Accrued interest paid on bonds bought.....	96.88
	<hr/>
	\$100,221.88
Bonds on hand December 31, 1907.....	\$162,000.00
Cash on hand December 31, 1907.....	7,522.34
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	169,522.34
	<hr/>
	\$269,744.22
	<hr/> <hr/>

SCHOOL LOAN.

DR.

Total amount of fund January 1, 1907, for the payment of school bonds.....	\$22,549.72
Income from interest on bonds.....	670.00
Income from bank deposits.....	207.64
Appropriation, 1907	2,000.00
	<hr/>
	\$25,427.36
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CR.

Accrued interest paid for bonds bought.....	\$58.89
Bonds on hand.....	\$23,000.00
Cash on hand.....	2,368.47
	<hr/>
	25,368.47
	<hr/>
	\$25,427.36
	<hr/> <hr/>

CITY FUNDING LOAN.

DR.

Amount of fund January 1, 1907, for the payment of city funding bonds maturing April 1, 1919.....	\$37,300.82
Appropriation, 1907	5,000.00
Income from interest on bonds.....	1,330.00
	<hr/>
	\$43,630.82
	<hr/> <hr/>

CR.

Accrued interest paid on bonds bought.....	\$105.00
Bonds on hand.....	\$37,000.00
Cash on hand.....	6,525.82
	<hr/>
	43,525.82
	<hr/>
	\$43,630.82
	<hr/> <hr/>

REPORT OF THE TRUSTEES OF THE SINKING FUND. 545

MUNICIPAL LOAN.

(For the payment of bonds maturing January 1, 1922.)

Dr.

Amount of fund January 1, 1907.....	\$16,445.21
Appropriation, 1907	4,000.00
Income from interest on bonds.....	305.00
Income from bank deposits.....	167.95
	<hr/>
	\$20,918.16
	<hr/>

Cr.

Accrued interest paid on bonds bought.....	\$88.89
Bonds on hand.....	\$16,000.00
Cash on hand.....	4,829.27
	<hr/>
	20,829.27
	<hr/>
	\$20,918.16
	<hr/>

CITY REFUNDING LOAN.

(For the payment of bonds maturing April 1, 1925.)

Dr.

Amount of fund January 1, 1907.....	\$2,500.00
Appropriation, 1907	2,500.00
Income from bank deposit.....	75.00
	<hr/>
	\$5,075.00
	<hr/>

Cr.

Cash on hand.....	\$5,075.00
	<hr/>

Respectfully submitted,

FRED L. ALLEN,

Treasurer of Sinking Fund.

This is to certify that I have examined the books of accounts of Fred L. Allen, treasurer of the trustees of the sinking fund, embracing the receipts and expenditures for the year ending December 31, 1907, and find the same correct and properly vouched. I have also examined the securities in which the fund is invested and find as follows:

IMPROVEMENT LOAN.

Bonds of the city of Manchester for the payment of
improvement bonds:

4 per cent school bonds, due July 1, 1908.... \$10,000.00

4 per cent school bonds, due July 1, 1909....	\$10,000.00
4 per cent city bonds, due April 1, 1909.....	19,000.00
4 per cent water bonds, due July 1, 1910....	29,000.00
4 per cent improvement bonds (series A), due January 1, 1913.....	20,000.00
4 per cent water bonds (series C), due Octo- ber 1, 1914.....	7,000.00
4 per cent school bonds, due July 1, 1915....	4,000.00
4 per cent water bonds, due July 1, 1915.....	23,000.00
4 per cent improvement bonds (series C), due April 1, 1915.....	21,000.00
4 per cent water bonds, due January 1, 1917	16,000.00
3½ per cent city funding bonds due April 1, 1919	44,000.00
3½ per cent municipal bonds, due July 1, 1922	36,000.00
3½ per cent city of Boston bonds, due 1944..	25,000.00
<hr/>	
Bonds on hand	\$264,000.00
Cash on hand.....	36,818.21

\$300,818.21

WATER LOAN.

Bonds of the city of Manchester for the payment of
water bonds:

4 per cent city bonds, due April 1, 1909.....	\$14,000.00
4 per cent school bonds, due July 1, 1910....	6,000.00
4 per cent water bonds, due July 1, 1910....	1,000.00
4 per cent improvement bonds (series A), due January 1, 1913.....	1,000.00
4 per cent water bonds (series C), due Octo- ber 1, 1914.....	18,000.00
4 per cent improvement bonds (series C), due April 1, 1915.....	17,000.00
4 per cent school bonds, due July 1, 1915....	2,000.00
4 per cent school bonds, due July 1, 1916....	11,000.00
4 per cent water bonds, due January 1, 1917	27,000.00
3½ per cent city funding bonds, due April 1, 1919	1,000.00
3½ per cent municipal bonds, due July 1, 1922	17,000.00
3½ per cent refunding bonds, due April 1, 1925	22,000.00
4½ per cent water bonds, due November 1, 1913	25,000.00
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Bonds on hand.....	\$162,000.00
Cash on hand.....	7,522.34

\$169,522.34

REPORT OF THE TRUSTEES OF THE SINKING FUND. 547

SCHOOL LOAN.

Bonds of the city of Manchester for the payment of school bonds:

4 per cent city bonds, due April 1, 1909....	\$3,000.00
4 per cent city bonds, due April 1, 1911....	4,000.00
4 per cent water bonds, due July 1, 1910...	2,000.00
4 per cent improvement bonds (series A), due January 1, 1913.....	1,000.00
4 per cent school bonds, due July 1, 1914....	2,000.00
4 per cent water bonds (series C), due Octo- ber 1, 1914.....	1,000.00
4 per cent water bonds, due July 1, 1915....	7,000.00
4 per cent improvement bonds, due April 1, 1916	1,000.00
3½ per cent city funding bonds, due April 1, 1919	2,000.00
Bonds on hand.....	\$23,000.00
Cash on hand.....	2,368.47

\$25,368.47

CITY FUNDING LOAN.

Bonds of the city of Manchester for the payment of city funding bonds maturing April 1, 1919:

4 per cent city bonds, due April 1, 1910....	\$10,000.00
4 per cent city bonds, due April 1, 1911....	1,000.00
3½ per cent city funding bonds, due April 1, 1919	12,000.00
3½ per cent municipal bonds due July 1, 1922	14,000.00
Bonds on hand.....	\$37,000.00
Cash on hand.....	6,525.82

\$43,525.82

MUNICIPAL LOAN.

Bonds of the city of Manchester for the payment of municipal loan bonds maturing July 1, 1922:

4 per cent city bonds, due April 1, 1909....	\$5,000.00
8 bridge bonds, \$500 each, due July 1, 1911..	4,000.00
4 bridge bonds, \$1,000 each, due July 1, 1911	4,000.00
3½ per cent refunding bonds, due April 1, 1925	3,000.00
Bonds on hand.....	\$16,000.00
Cash on hand.....	4,829.27

\$20,829.27

City refunding loan for the payment of city refunding bonds maturing April 1, 1925:

Cash on hand.....	\$5,075.00
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Total amount of sinking fund..... \$565,139.11

JAMES E. DODGE,

City Auditor.

REPORT OF INSPECTOR OF BUILDINGS.

REPORT OF THE INSPECTOR OF BUILDINGS.

To His Honor the Mayor and the Board of Aldermen:

GENTLEMEN:—The inspector of buildings herewith submits his report for the year 1907. The number of permits issued for new buildings was 164; estimated cost, \$393,470; for alterations and repairs, 149; estimated cost, \$339,530.

Number of building permits issued in each year since the establishment of the office, May 18, 1899: 1899, 208; 1900, 232; 1901, 261; 1902, 203; 1903, 278, estimated cost \$549,500; 1904, 263, estimated cost \$512,919; 1905, 266, estimated cost \$563,838; 1906, 322, estimated cost \$811,828; 1907, 313, estimated cost \$733,000.

Respectfully submitted,

EDWIN S. FOSTER,

Inspector of Buildings.

REPORT OF THE CITY SOLICITOR.

REPORT OF THE CITY SOLICITOR.

To the City Councils:

I herewith submit my annual report as solicitor for the year 1907:

The suit of Joseph Wilkins v. City, which was an appeal from an award of nominal damages and a claim for one thousand dollars for land taken in laying out Brooklyn avenue, was decided by the supreme court in favor of the city. The case had been on the docket for several years and is now disposed of.

Several trifling claims for land damages and for injuries sustained on alleged defective highways were adjusted without suit.

The petition of the County Commissioners v. the City, asking the court to assess damages resulting from the termination of the old court house lease, is on the docket, but it can be safely said that the same is without any basis for recovery against the city.

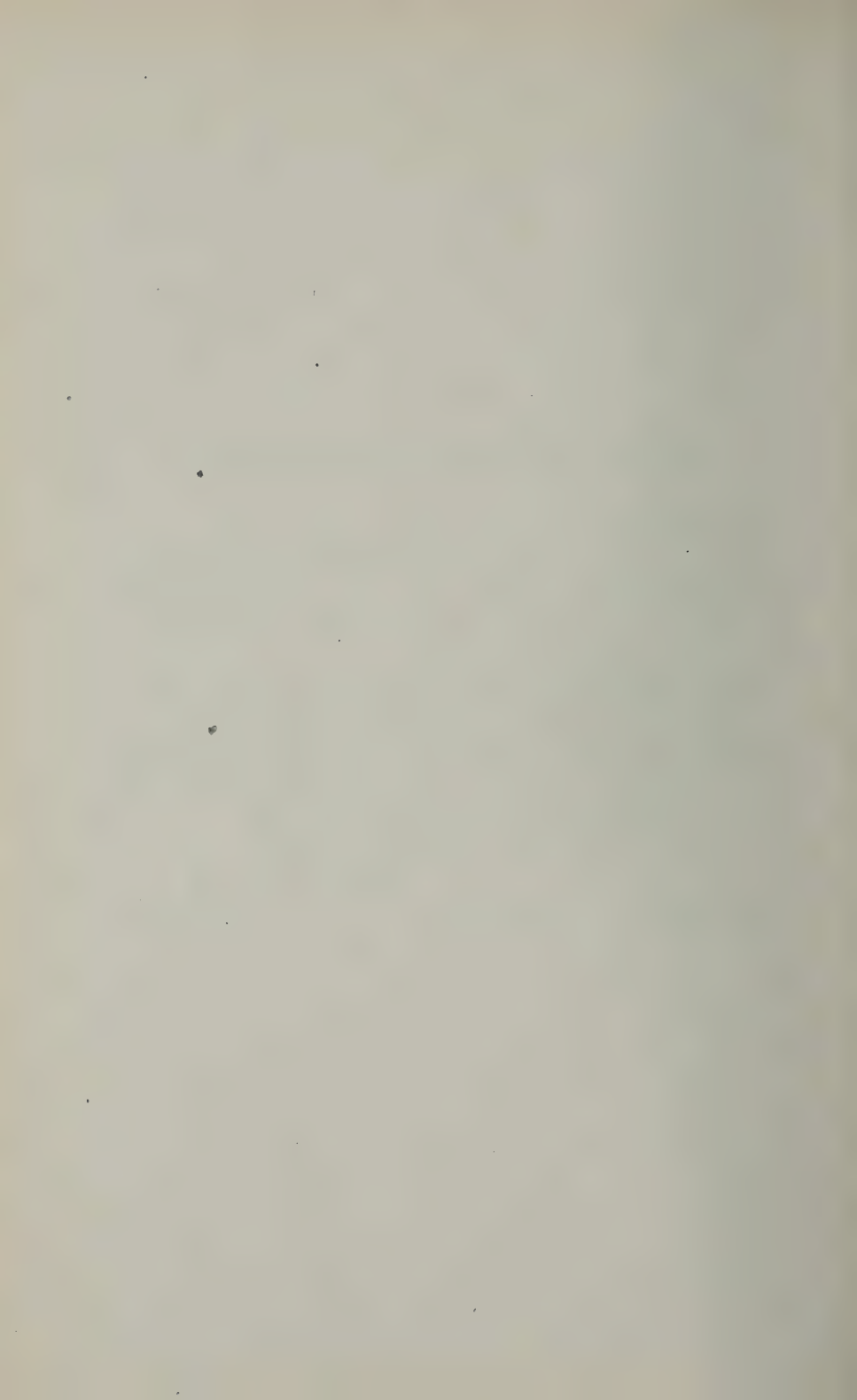
Our city is practically free from litigation at the present time.

Respectfully submitted,

GEORGE A. WAGNER,

City Solicitor.

MANCHESTER, N. H., March 30, 1908.



REPORT

OF THE

TRUSTEES OF THE CITY LIBRARY.

MANCHESTER CITY LIBRARY, 1907.

Trustees.

Eugene E. Reed, *Mayor, ex officio.*
W. Parker Straw, *President of the Common Council, ex officio.*
Edwin F. Jones. Term expires 1908.
Frank P. Carpenter. Term expires 1909.
William P. Farmer. Term expires 1910.
Henry W. Boutwell. Term expires 1911.
Roger G. Sullivan. Term expires 1912.
Walter M. Parker. Term expires 1913.
Herman F. Straw. Term expires 1914.

Officers.

PRESIDENT, *ex officio.*

Eugene E. Reed.

CLERK AND TREASURER.

Edwin F. Jones.

Librarian.

F. Mabel Winchell.

Assistants.

E. Louise Newell, classifier.	Harold C. McAllister.†
Mrs. Edith Simmons Emery, cataloger.	Charles W. Quimby.††
Charles S. Morgan.	Harold C. Brown.‡
Albro P. Reed.*	Harold L. Blair.§
Carl P. James.**	Arthur R. Leavitt.||
Charles S. Costigan.¶	

Library Hours.

10 A. M. to 8 P. M.; Saturdays till 9 P. M.
Sundays (for reading and reference), 11 A. M. to 5 P. M.

* Sundays only.

** Resigned Sep. 12.

† Resigned Je. 29.

†† Resigned Apr. 6.

‡ From Je. 28.

§ From Ap. 18—Jy. 12.

|| From Mr. 14

¶ From Ag. 23.

REPORT OF THE TRUSTEES OF THE CITY LIBRARY.

To the Board of Mayor and Aldermen:

In behalf of the trustees of the city library the report to the trustees made by the librarian is submitted as the report of the trustees for the year 1907. In it may be found stated the detailed facts as to the conduct of the library for the year.

EDWIN F. JONES,
Clerk.

LIBRARIAN'S REPORT.

To the Trustees of the City Library, Manchester, N. H.:

GENTLEMEN:—The year 1907, the fifty-fourth in the history of the library, has been one of marked progress.

In January, magazine racks were placed on each of the reading room tables and filled with current issues of the magazines, about sixty in number. In February, a newspaper rack, accommodating twenty papers or large periodicals, was also placed in the reading room, and in April two large oak racks for magazines were added.

These various racks when filled displayed nearly one hundred and fifty periodicals. Previously all magazines had been kept out of sight, making it necessary for the borrower to know the names of any magazines wanted and to call for each individually. The result of this system was that only the better known periodicals were called for and used, while the rest lay idle and unknown. The present system gives opportunity to look at all of them and to become acquainted with such as are unfamiliar. The change has been favorably commented upon by many, and appreciation shown by an immediate increase in use. Not only have more of the magazines been read, but many more people come to the library to read them. About fifty new periodicals were added to the subscription list at the beginning of the year, and two copies each of a number of the more popular magazines were subscribed for. This made it practicable to issue one copy for home reading as soon as received, while the other copy was kept on file in the reading room. This arrangement and that of issuing the back numbers of the magazines, which was begun in March, have given much satisfaction to borrowers as has been made quite evident by the extent to which the new privilege has been used.

NEW RULES.

The library has long felt the need of a change in its rules. Those under which it has been running went into effect more than fifty years ago. The whole conception of library work has changed since then, and these antiquated rules of a former generation have much retarded the progress of the institution. It gives me great pleasure, therefore, to record that in November, by vote of your honorable board these old rules were repealed, and a new set, conforming to modern ideas and methods, was adopted. A copy of the new rules may be found at the end of this report.

BOOK PLATE.

From early times book plates have been esteemed by lovers of fine books, and public libraries, appreciating both their beauty and their usefulness, have very commonly adopted them. They quickly and plainly identify the ownership of a book and may also make known the donor.

Believing that a book plate would add dignity to the volumes of this library and prove useful, not only in identifying the books, but in designating those purchased from the various funds, steps were taken to procure one. After correspondence with several designers the order was placed with F. Schuyler Mathews, whose design proved very satisfactory. Engravings have been made for the more expensive books and prints for the cheaper editions.

USE OF THE FUNDS.

In 1892 a fund of about three thousand dollars was bequeathed by Eliza A. Eaton for the "benefit of the library." No money has ever been spent from this fund until this year, when fifty-nine volumes of history were purchased from it. By vote of the trustees it was decided to use this fund for the purchase of historical and biographical works.

Twenty-two years ago, in 1885, a fund of two thousand dollars was bequeathed by Mary E. Elliot for the purchase of medical books. In 1906 the "Lancet" was bought from this fund, but aside from this none of the money has ever been spent until the present year, when one hundred dollars were expended for some up-to-date medical works. It has been decided to place the medical books in the gallery, which hitherto has been used only for storing duplicates. This gallery will make an excellent place for a medical library, affording quiet and good light to the doctors and nurses who may wish to consult the books.

A larger number of volumes than usual has been purchased from the Dean fund this year. Among them have been some very valuable art books, as well as technical and scientific works, of which the following are a few:

- Bailey. *Cyclopedia of American agriculture.* 2v.
- Bryan. *Dictionary of painters and engravers.* 5v.
- Cyclopedia of modern shop practice.* 4v.
- Foord. *Decorative plant and flower studies.*
- Heath. *Miniatures.*
- Malim. *Old English wood-carving patterns from oak furniture of the Jacobean period.*
- Menpes. *Rembrandt.*
- Menpes. *Whistler as I knew him.*
- Morse. *Catalogue of the Morse collection of Japanese pottery.*
- Rooses. *Rubens.* 2v.
- Smith, F. Hopkinson. *Venice of today.* Illustrated by the author.

TELEPHONE.

The installation of a telephone in June marked another step in the progress of the library. It has been a time-saver for us in matters of business, and is surely an accommodation to our patrons, for by it they can renew or request books, ask information and receive it much more quickly than by mail, and often more conveniently than by coming to the library. Some people consider the telephone an annoyance, but we do not find it so, and see no reason why, if more convenient for our patrons, we should not serve them over the telephone as well as over the desk.

Three electric fans did much toward making the central part of the building more comfortable during the hot weather, and certainly made possible a greater amount of better work.

MEMBERSHIP IN ASSOCIATIONS.

The American Library Association is the national organization of librarians, and those interested in library work. Organized in 1876, it has steadily worked for the advancement of library science and the library interests of the country. Its stated purposes are "the promotion of library interests, the interchange of experience and opinion, the obtaining of larger results from library labor and expenditure, and the advancement of the profession of librarianship." It is, therefore, for the interests of libraries, as well as library workers, to support this organization, and we record with satisfaction that in June the city library became a member of this body. In return for this membership the library receives the "Bulletin of the American Library Association," which includes the proceedings, and the "A. L. A. Booklist," both of which are indispensable to us.

During the year the library also has become a member of the National Educational Association, and thereby receives its proceedings and yearbooks.

There is one more organization of which this library needs to become a member. Reference is made to the Library Art Club. Very few cities of today are without a collection of photographs and pictures, which may be issued like books or may be used for exhibits. The city library, lacking any such collection, especially needs the assistance of this club, which exists for the purpose of collecting and loaning to libraries groups of pictures mounted and labeled ready for exhibition.

Pictures, as well as books, are a means of education and have come to be regarded as an essential part of the modern library. This part, a collection of pictures, our library still lacks, and it is a deficiency which should be remedied at the earliest possible date.

CIRCULATION.

In last year's report we recorded a decrease of 2,000 in the circulation and expressed the opinion that this was largely due to the

small number of books purchased during the year. That opinion would seem to be borne out by our record this year. We purchased 1,064 more books than in 1906 and our circulation increased 7,751. Each month of the year showed an increase over the corresponding month of the previous year. In January the increase was 76 volumes; in December it was 1,569 volumes. Figures could not well speak more plainly of cause and effect, and this increase of use is not alone that of the popular novel. True, we have supplied recent fiction somewhat more liberally than in former years and it has been used, but the percentage of increase has been in other classes; in fact, the percentage of fiction used is the smallest on record. The classes showing the largest gains are literature and periodicals. Doubtless one reason for the gain in literature was the purchase of a number of sets of the standard authors. Many of our old copies had poor print, were much soiled, and in every way unattractive, and, therefore, very little read. When new, attractive editions of Jane Austen, Balzac, the Brontë sisters, Daudet, Dickens, Dumas, George Eliot, Goldsmith, Lamb, Poe, Richardson, Smollett, Stevenson, and Thackeray were placed before the people they lost no time in making use of them.

All this goes to show that the people want good books, and will use them if they can get them. But books cannot be bought without money. If the city would have a vigorous, effective work done by this one of its departments it is essential that the appropriation should be materially increased. That the library has not been given the support accorded by other cities to their libraries may be seen from the following table:

City	Population	Appropriation
Medford	18,244	\$9,165
Evanston, Ill.	19,259	10,266
Haverhill	37,175	10,931
Brockton	40,063	10,000
Holyoke	45,712	10,000
Portland, Me.	50,145	18,272
Erie	52,733	12,850
Peoria	56,000	18,657
Manchester, N. H.	56,987	8,000
Somerville	61,643	18,876
Springfield, Mass.	62,059	40,525
New Bedford	62,442	13,000
Lynn	68,513	19,081
Lawrence	62,559	14,912
Bridgeport	70,996	16,899
Trenton	73,307	21,400
Wilmington	76,508	19,521
Lowell	94,969	13,000
Average population....	56,019	Average appropriation..... \$16,315

READING ROOM.

The record of circulation in the building has dropped off as was to be expected. The placing of one hundred and fifty periodicals in the reading room, where each person can help himself, does away with the possibility of record for all these magazines. It is, therefore, somewhat surprising to find that the record for the year shows a decrease of only 27 per cent. This, of course, means that in reality there has been a large increase in the use of books in the building. But large as the use has been it might be considerably larger had we sufficient room to make people comfortable. Those who would come for reading or study during the latter part of the afternoon stay away because the room is so full after school hours. Other cities of the size of Manchester, yes, many much smaller, have in addition to the reading room, a reference room, a children's room, and a delivery room, while with us all these are in one. No wonder there is neither room nor quiet for study.

This congested condition could be greatly alleviated by providing a separate place for the children.

CHILDREN'S ROOM.

As was stated in last year's report, the library needs many things to bring it to its highest state of efficiency and usefulness, but the greatest of all its needs is a children's room. Very few libraries in these days are without this important adjunct. It is a department of library work which has been tried for many years and found to yield the best of results. It is needed in every community, but especially with a population such as that of Manchester, where many of the children have no home influences which would lead them to read, or train them in the use of books. With this class of people the reading habit, if formed at all, must be acquired during childhood. The children's room, with its trained assistant, has been found very effective in inculcating this reading habit and in giving the children a taste for good literature. Certainly no better expenditure of money could be made than that which would provide for the children a light, well-ventilated room made attractive with books, pictures, and flowers, and presided over by one who has the welfare of the children at heart, and who is competent to guide them in their reading. Such a room might well be provided in a one-story frame structure placed on the library lot just north of the present building. This would entirely remove from the present reading room all the noise and commotion necessarily incident to the coming and going of the children. It would also leave more room, which is much needed, for the grown people and be far better both for young and old. Such an addition to the building could probably be built for about fifteen hundred dollars. This is a matter which calls for prompt attention and I bespeak your thoughtful consideration of it; but even if immediate action is taken,

some time must elapse before such a structure could be ready for use, and meanwhile we are losing opportunities for helping the children. I, therefore, renew my recommendation of last year, asking that an assistant be engaged at once to give her attention especially to the children. Such an assistant is greatly needed in the reading room at the present time, not only for the good of the children, but for the comfort of the grown people. She could maintain order, insure the proper handling of books, guide the children in their reading, assist adults in the use of the catalog, and answer questions. It is impossible for the busy desk assistant to give sufficient attention to these matters.

THE STAFF.

This year, as last, we have been very much handicapped by an insufficient number of assistants. Many things which might have been done to make the library more useful have had to remain undone, because each worker has had his or her hands more than full with the necessary work of each day. It is extremely difficult for the small sum which we pay to get boys who are capable of doing the work required. The library very much needs a corps of trained assistants who understand the work and are thoroughly interested in it. The present custom of spending months in teaching boys who only stay with us until they can find some more lucrative position, is far from economical. It is also far from satisfactory to our patrons. The longer an assistant stays with us the better he knows the contents of the library and the better he can serve the public.

The assistants have occasion to feel very grateful to the trustees for the two weeks' vacation with pay, which was granted to them for the first time this year.

EXHIBITIONS.

On account of the additional work entailed by the larger purchase of books and the increased circulation, together with the lack of sufficient helpers, it has been impossible to give the usual time to the preparation of exhibitions. We have, therefore, had very few this year, and more than ever have felt the need of the assistance of the Library Art Club, to which reference was made in the early part of this report.

SUNDAYS.

There has been a steady increase in the use of the library on Sundays since it was first opened in 1901, and 1907 has been no exception, the records for the year showing fifteen hundred and seventy-two visitors more than in 1906. The largest number on any one Sunday was three hundred and nine on February 3, and the smallest number was thirty-nine on July 28.

The large number of children who come in the afternoon still acts as a deterrent to the grown people who might use the room were it not so crowded with boys and girls. The need of a children's room is felt seven days in the week.

INVENTORY.

The number of books unaccounted for this year, according to our inventory, is fifty-five. This is neither the largest nor the smallest number on record; thirty-four of these were juvenile and twenty-one were adult works. More freedom than formerly has been allowed in consulting the books and most people have enjoyed without abusing the privilege. There are always some law breakers in every community, and Manchester is no exception. During the year only five magazines were lost from the reading room. This certainly is a very small number, considering the many people who use the room and the large number of periodicals displayed.

ACKNOWLEDGMENTS.

Our thanks are due, once more, to the papers for their continued courtesy in printing our lists and notices; to those who have donated books, magazines or pictures; to the members of the staff who have cheerfully borne the added labor due to increase of accessions and circulation with less than the usual number of workers, and especially to the trustees for their co-operation and support, which have made possible the progress here recorded.

Respectfully submitted,

F. MABEL WINCHELL,

Librarian.

APPENDIX I.

Accessions.

Increase by purchase.....	1,691
Increase by gift.....	318
Increase by binding periodicals.....	279
Total accessions for the year.....	2,288
Number of volumes in library as last reported.....	54,944
Whole number of volumes.....	57,232
Number of volumes purchased from the Dean fund.....	273
Number of volumes purchased from the Eaton fund....	59
Number of volumes purchased from the Elliot fund....	24
Worn out volumes withdrawn from circulation.....	320
Number of volumes replaced.....	279
Number of volumes lost or injured and paid for.....	61
Number of volumes lost and not yet paid for.....	6

REPORT OF THE TRUSTEES OF THE CITY LIBRARY. 567

Number of volumes burned on account of contagious diseases	6
Number of magazines subscribed for.....	121
Number of magazines given.....	50
Number of newspapers subscribed for.....	8
Number of newspapers given.....	5
Total number of periodicals received.....	184

APPENDIX II.

Circulation and Registration.

Number of days library was open.....	305
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RECORD, BY CLASSES, OF VOLUMES ISSUED.

	No. vols.	Per cent.
General works	4,108	5.7
Philosophy and religion.....	983	1.4
Biography	1,433	2.0
History	2,160	3.0
Geography and travels.....	2,278	3.1
Social sciences	689	0.9
Science and useful arts.....	3,205	4.4
Fine arts	1,814	2.5
Literature	3,720	5.1
Fiction	52,196	71.8
Pictures	83	0.1
Total issued for home use.....	72,669	

CIRCULATION.

Average daily use (home).....	238
Largest number any one day (March 9).....	509
Smallest number any one day (June 25).....	101
Largest number any one month (November).....	7,396
Smallest number any one month (June).....	5,002
Number of volumes delivered in reading room.....	16,269
Average daily use.....	53
Total circulation for 1907.....	88,938
Number of volumes issued on school pockets.....	751
Number of borrowers to whom study pockets were first issued in 1907.....	422

REGISTRATION.

Number registered in 1907.....	808
Whole number issued since beginning of last registration, 1880	17,376
Number of borrowers on deposit.....	8

APPENDIX III.

Miscellaneous Statistics.

Number of books classified.....	2,051
Number of books cataloged.....	2,152
Number of volumes bound and repaired at bindery.....	1,432
Number of volumes repaired at library.....	2,551
Number of volumes covered at library.....	1,416
Mail notices for overdue books.....	982
Reserve notices paid for.....	1,174

Sunday Statistics.

	Men	Women	Children	Total
Attendance	1,548	283	4,232	6,063
Average per Sunday	30	5	82	117

CIRCULATION.

General works	3,555
Philosophy and religion.....	46
Biography	60
History	669
Geography and travels.....	132
Social sciences	41
Science and useful arts.....	255
Fine arts	214
Literature	1,748
Fiction	734
Total	7,454

APPENDIX IV.

Receipts from Fines, Etc., from December 1, 1906, to
November 30, 1907.

Received from fines	\$323.70	
catalogs sold	2.50	
books lost or injured and paid for	29.80	
reserve notices	21.72	
miscellaneous sales .....	.94	
		\$378.66
Paid for expressage and sundries.....	\$109.35	
Paid for books, magazines, etc.....	25.38	
Cash returned to patrons for books found..	2.75	
		137.48
Balance on hand.....		\$241.18

APPENDIX V.

Donations to Library, 1907.

	Vols.	Pams.	Mags
Abbot Public Library, Marblehead, Mass....		1	
Abbott, J. B.....		1	
Abbott, M. C., 5 picture scrap books.....			140
Aberdeen, Scotland.—Public Library.....		1	
Adriance Memorial Library, Poughkeepsie, N. Y.		1	
American-Irish Historical Society.....	1		
American Library Association.....		7	
American Peace Society.....		1	
American Society of Sanitary and Moral Prophylaxis		1	
Amherst College		1	
Ancient and Honorable Artillery Company of Massachusetts		1	
Armstrong, Mrs. J. M.....			52
Ashton - under - Lyne Corporation.—Public Free Library		1	
Atlantic City, N. J.—Free Public Library....		1	
Baillie's Institution Free Reference Library, Glasgow, Scotland		1	
Balch, A. S.	1		
Balch, T. W.	1		
Baltimore & Ohio Railroad.—Passenger De- partment		6	
Barker, E. F.		13	37
Batchelder, Mrs. E. T.....			32
Belmont, Mass.—Public Library.....		1	
Berlin, N. H.—Public Library.....		2	
Bigelow Free Public Library, Clinton Mass.		1	
Birdsey, E. C.		1	
Birmingham, Eng.—Free Libraries Com- mittee		2	
Bixby, Mrs. F. J.....			157
Black, W. H.....		1	
Bolton, Mrs. S. K.....	1		
Boston, Mass.—Public Library.....	1	1	
Bridgeport, Conn.—Public Library.....		1	
Brookline, Mass.—Public Library.....		1	
Brooklyn Institute of Arts and Sciences....		2	
Brooks, Mrs. A. G.....			72
Brown, M. E.....			52
Burnham, Hon. H. E.....	3		
Burrows Brothers, 1 framed picture.			

	Vols.	Pams.	Mags.
California.—State Library.....		1	
Cambridge, Mass.—Public Library.....		1	
Carnegie Library of Ottawa.....		1	
Carvelle, Dr. H. D. W.....			7
Central Conference of American Rabbis....		1	
Chicago, Ill.	1	8	
Chicago, Ill.—Public Library.....		7	
Children's Aid Society, N. Y.....		1	
Christian Science Reading Room, Manches- ter, N. H.....	3		
Church Kalendar Company. 1 kalendar.			
Cincinnati, O.—Public Library.....		1	
Clarke, Mrs. O. R.....	2	3	
College of Dental and Oral Surgery, N. Y....		1	
Concord, Mass.—Free Public Library.....		1	
Concord, N. H.—Public Library.....		1	
Connecticut.—Bureau of Labor Statistics....	1		
Connecticut.—State Library		4	
Cornell University		4	
Corson, Mrs. O. J.....			3
Crooker, F. H.....			12
Curtis Publishing Company.....	2		
Cutler, W. N.....			33
Cutts, A. E.			31
Dartmouth College	1		
Davis, Dr. G. M.....			240
Dayton, O.—Public Library.....		1	
Detroit, Mich.—Public Library.....		1	
Dover, N. H.—Public Library.....		2	
Draper Company, Hopedale, Mass.....	1		
Drew Theological Seminary Library.....		1	
Eames, Mrs. W. M.....			13
Easton, Pa.—Public Library.....		1	
Ela, E. J.....			67
Enoch Pratt Free Library, Baltimore, Md....		1	
Erie, Pa.—Public Library.....		1	
Fairmount Park Art Association.....		2	
Ferren, Mrs. E.....			159
Fitchburg, Mass.—Public Library.....		1	
Fletcher Free Library, Burlington, Vt.....		2	
Forbes Library, Northampton, Mass.....		1	
Forbush, E. H.....	1		
French, Mrs. E. F.....			16
Gaskin, E.		1	
Genuine Bangor Slate Company.....		1	
Goldberger, H.	2		33
Grand Rapids, Mich.—Public Library.....		1	

REPORT OF THE TRUSTEES OF THE CITY LIBRARY. 571

	Vols.	Pams.	Mags.
Hadley, C. J.....			12
Hall, H. J.			136
Hartford, Conn.—Public Library.....		1	
Harvard University	2	1	
Haverhill, Mass.—Public Library.....		2	
Higgins, W.			38
Hillsborough County Commissioners.....		2	
Huse, W. H.....			20
Indian Rights Association.....		1	
Iowa.—Historical Department		6	
Irwin, F. T.			10
Laconia, N. H.—Public Library.....		5	
Lake Mohonk Conference of Friends of the Indian and Other Dependent Peoples.....		1	
Lake Mohonk Conference on International Arbitration		1	
Larned, C.		1	
Lawson, T. W.....		1	
Leavitt, Mrs. C. M.....			50
Lee, I. L.....	1		
Lewis School, Detroit, Mich.....	1		
Library Company of Philadelphia.....		2	
Livingston, C.			52
Livingston, C. F.....		1	20
Los Angeles, Cal.—Public Library.....		1	
Louisiana.—State University		1	
Lowell, Mass.—City Library.....		1	
Lynn, Mass.—Public Library.....		1	
McAllister, G. I.			7
McAllister, H.	6		145
Mack, I. G.			43
Malden, Mass.—Public Library.....		1	
Manchester, Eng:		1	
Manchester, N. H.—Board of Water Commis- sioners		1	
Manchester, N. H.—City Engineer.....		1	
Manchester, N. H.—High School.....			4
Manchester, N. H.—Superintendent of Public Instruction		1	
Manchester Historic Association.....	1		209
Manning, Mrs. C. H.....	1		43
Manning, R.		1	
Massachusetts College of Osteopathy.....		2	
Massachusetts Institute of Technology.....		2	
Medford, Mass.—Public Library.....		1	
Melrose, Mass.—Public Library.....		1	
Merchants' Association of New York.....		4	

	Vols.	Pams.	Mags.
Messinger, H. E.....	1		
Milwaukee, Wis.—Public Library.....		1	
Minneapolis, Minn.—Board of Park Commis- sioners		1	
Minneapolis, Minn.—Public Library.....		4	
Morgan, Mrs. E. A.....			601
Mount Holyoke College.....		1	
New Bedford Textile School.....		1	
New Hampshire.—College of Agriculture...	3	1	
“ “ Department of Public In- struction	1		
“ “ Industrial School		2	
“ “ Insurance Commissioner..	1		
“ “ Secretary of State.....	8		
“ “ State Library	3	1	
New Hampshire Medical Society.....	1		
New Hampshire Orphans' Home.....		1	
New Haven, Conn.—Free Public Library....		1	
New York City—Mercantile Library.....		1	
New York City.—Public Library.....		1	
New York State.—Chamber of Commerce....		1	
New York State.—State Library.....	4	3	
New Zealand.—Department of Tourist and Health Resorts		1	
Newark, N. J.—Free Public Library.....		1	
Newton, Mass.—Free Library.....		1	
Nutting, G. E.....	1		
Oakland, Cal.—Free Library.....		2	
Osaka, Japan.—Library		1	
Ottawa, Ont.	1		
Page, Mrs. H. A.....			1
Parker, Dr. D. W.....			149
Parlin Library, Everett, Mass.....		1	
Paterson, N. J.—Free Public Library.....		1	
Peabody Institute, Baltimore, Md.....		1	
Pennsylvania Prison Society.....		1	
Peoria, Ill.—Public Library.....		1	
Perkins Institution and Massachusetts School for the Blind.....		2	
Philadelphia, Pa.—City Institute		1	
“ “ Free Library		2	
“ “ Vacant Lots Cultivation Association		1	
Phillips Exeter Academy.....		3	
Pierce, A. F.	1		
Plumer, Mrs. W. H.....			

REPORT OF THE TRUSTEES OF THE CITY LIBRARY. 573

	Vols.	Pams.	Mags.
Portland, Me.—Public Library.....		2	
Princeton University	1	1	
Providence, R. I.—Public Library.....		1	
Public Interests Association.....	1		
Queens Borough Library, N. Y.....		2	
Reed, L.			65
Robbins Library, Arlington, Mass.....		1	
Rochester, N. H.—Public Library.....		1	
Rogers, Dr. F. M.....	32		
Rollins, F. W.....	1		
St. Louis, Mo.—Mercantile Library Associa- tion		1	
St. Louis, Mo.—Public Library.....		1	
Salem, Mass.—Public Library.....		1	
Sanborn, Mrs. J. E.....			81
School of Expression, Boston, Mass.....		1	
Seranton, Pa.—Public Library.....		1	
Seattle, Wash.—Public Library.....		2	
Seattle Post Intelligencer.....	1		
Silas Bronson Library, Waterbury, Conn....		2	
Somerville, Mass.—Public Library.....		2	
Southern Pacific Railroad.—Passenger De- partment		5	
Sowdon, S. E.		3	16
Springfield, Mass.—City Library Association		1	
Standard Publishing Company.....		1	
Still College of Osteopathy.....		4	
Stone and Webster.....		1	
Straw, G.	2	2	137
Syracuse, N. Y.—Public Library.....		1	
Thompson, L.		1	
Thompson, S.		1	
Tolman, M. M., 1 stereoscope, 36 stereographs	1	4	20
Towle Manufacturing Company.....		1	
Towne, Dr. G. D.....	19		
Towne, Mrs. G. D.....			261
Trustees of the John F. Slater Fund.....		12	
United States.—Civil Service Commission....		2	
“ “ Department of Agriculture		11	
“ “ Department of Commerce and Labor	12	4	
“ “ Division of Publications....		5	
“ “ Interior Department, 56 maps	6	26	
“ “ Interstate Commerce Com- mission	1		

	Vols.	Pams.	Mags.
United States.—Library of Congress.....	2	1	
“ “ Smithsonian Institution ...		8	
“ “ Superintendent of Docu- ments, 3 atlases.....	130	180	
“ “ War Department		2	
University of Illinois.....		1	
University of Nashville.....		2	
University of Pennsylvania.....	1		
University of Tennessee.....		2	
University of Vermont.....		2	
Unknown			24
Uruguay		1	
Varick, Mrs. T. R.....			102
Watts, M. A.....			192
Welcome, Mrs. L. N.....			19
Westborough, Mass.—Town Library.....		1	
Western Theological Seminary.....		1	
Wilkes-Barre, Pa.—Board of Trade.....		1	
Wilmington, Del.—Institute Free Library....		1	
Winchell, F. M.....		1	
Winchester, Mass.—Public Library.....		1	
Wisconsin.—Free Library Commission.....		2	
Woburn, Mass.—Public Library.....		1	
Woodbury, F. D.....		5	
Woodbury, M. E.....	1		
Worcester, Mass.—Free Public Library.....		1	
Youth's Companion, 1 calendar.			
	270	505	3,613

Library Bulletins Received.

Boston Public Library.
 Brookline Public Library.
 Dover Public Library.
 Evanston Free Public Library.
 Hartford Public Library.
 Haverhill Public Library.
 Helena Public Library.
 Holyoke Library.—Record.
 Jersey City Free Library.—Library Record.
 Kellogg-Hubbard Library.
 Laconia Public Library.
 Lynn Free Public Library.
 Medford Public Library.
 Mercantile Library, N. Y.
 Milwaukee Public Library.—Quarterly Index.

Nashua Public Library.
 New Haven Free Public Library.
 New York Mercantile Library.
 New York Public Library.
 Providence Public Library.
 St. Louis Public Library.
 Salem Public Library.
 Scranton Public Library.
 Seattle Public Library.
 Springfield City Library.
 Wisconsin Free Library Commission.

APPENDIX VI.

List of Periodicals for 1908.

A. L. A. booklist.
 Alpine journal.
 American boy.
 American engineer and railroad journal.
 American historical review.
 American journal of science.
 American journal of sociology.
 American Library Association. Bulletin.
 American magazine.
 American naturalist.
 Among the deep sea fishers.—Gift.
 Ancient Free and Accepted Masons of Massachusetts. Proceedings.—Gift.
 Annals of American Academy of Political and Social Science.
 Annals of Iowa.—Gift.
 Appleton's magazine.
 Architects' and builders' magazine.
 Arena.
 Argosy.
 Art journal.
 Association review.—Gift.
 Athenæum.
 Atlantic monthly.
 Berea quarterly.—Gift.
 Biblical world.
 Bird lore.
 Blackwood's Edinburgh magazine.
 Book review digest.
 Bookman.
 Boston Cooking School magazine.
 Boston Society of Natural History. Proceedings.
 Bulletin of bibliography.—Gift.

Camera craft.
Canadian magazine.
Case and comment.—Gift.
Cassier's magazine.
Century.—2 copies.
Chambers's journal.
Charities and the commons.
Chautauquan.
Chicago banker.—Gift.
Children's magazine.
Children's star magazine.—Gift.
Christian cynosure.—Gift.
Christian science journal.—Gift.
Christian science sentinel.—Gift.
Collier's weekly.
Concrete.—Gift.
Connoisseur.
Contemporary review.
Cornhill magazine.
Cosmopolitan.—2 copies.
Country life in America.
Craftsman.
Cumulative book index.
Current literature.
Dartmouth.
Dartmouth bi-monthly.—Gift.
Defender.—Gift.
Delineator.—2 copies; 1 copy a gift.
Dial.
Edinburgh review.
Education.
Educational review.
Electrical age.—Gift.
Electrical world.
Electrician and mechanic.
Engineer.
Engineering magazine.
Engineering news.
Envelope series.—Gift.
Etude.—2 copies.
Everybody's magazine.—2 copies; 1 copy a gift.
Federation bulletin.—Gift.
Fortnightly review.
Forum.
Good housekeeping.—2 copies.—Gift.
Granite monthly.
Granite state magazine.

Harper's bazar.
 Harper's monthly.—2 copies.
 Harper's weekly.
 Herald of the cross.—Gift.
 Holy cross purple.—Gift.
 Horseless age.
 Independent.—Gift.
 Indian's friend.—Gift.
 International studio.
 Journal of American folk-lore.
 Journal of American history.
 Journal of political economy.
 Journal of the Franklin Institute.
 Ladies' home journal.
 Ladies' review.—Gift.
 Lancet.
 Library journal.
 Library work.
 Life.
 Life and light for woman.—Gift.
 Lippincott's magazine.
 Little folks.
 Living age.
 London quarterly review.
 McClure's magazine.—2 copies.
 Magnificat.—2 copies.—Gift.
 Manual training magazine.
 Masters in art.
 Metal industry.—Gift.
 Metropolitan.
 Missionary herald.—Gift.
 Missionary review of the world.
 Motor world.
 Munsey magazine.—2 copies.
 Musician.—2 copies.
 Nation.
 New England historical and genealogical register.
 New England magazine.
 New England Shoe and Leather Association gazette.—Gift.
 New Hampshire College of Agriculture. Bulletin.—Gift.
 New Hampshire genealogical record.
 Nineteenth century and after.
 North American review.
 Notes and queries.
 Official gazette of United States Patent Office.—Gift.
 Oracle.—Gift.
 Out west.

Outing.
Outlook.
Overland monthly.
Pacific northwest.—Gift.
Photo-era.
Pictorial review.—Gift.
Pitman's journal.—2 copies.—Gift.
Popular science monthly.
Power.
Printing art.
Protectionist.—Gift.
Public libraries.
Publishers' weekly.
Puck.
Punch.
Putnam's monthly.
Quarterly review.
Railroad gazette.
Readers' guide to periodical literature.
Records of the past.
Recreation.
Review of reviews. American edition.—2 copies.
Revue des deux mondes.
Rosicrucian.
Sabbath recorder.—Gift.
St. Nicholas.
Saturday evening post.
Saturday review.
Science.
Scientific American.
Scientific American supplement.
Scribner's magazine.—2 copies.
Speaker.
Suburban life.
Success.—Gift.
Sunday school times.
Textile colorist.
Textile world record.
United States public documents catalogue.—Gift.
Universalist leader.—Gift.
University of Tennessee record.—Gift.
Westminster review.
Whittlings.—Gift.
Woman's home companion.
Woodworker and art metal worker.—Gift.
Worcester magazine.—Gift.
World to-day.

World's chronicle.
World's work.—2 copies.
Youth's companion.—2 copies.

Newspapers.

Boston morning herald.
Boston Sunday herald.
Boston transcript.
Emerald.—Gift.
Foyer Canadien.—Gift.
Manchester advertiser.—Gift.
Manchester union.—Gift.
Mirror and American.
Mirror and farmer.—Gift.
New Hampshire farmer.—Gift.
New York morning sun.
New York times. Saturday issue.
Plymouth record.—Gift.

BY-LAWS, RULES, AND REGULATIONS.

(Adopted by the Board of Trustees, November 13, 1907.)

BY-LAWS.

I. OFFICERS.

The officers of the board shall be a president, who shall be the mayor, *ex officio*; a clerk and a treasurer, who shall be elected by ballot and serve until their successors are chosen.

The president shall perform the duties generally pertaining to that office.

The clerk shall record all the official actions of the board and have custody of all its official books, records, and accounts, except those in current use by another officer.

The treasurer shall have charge of the funds and keep the financial accounts of the board. He shall pay all bills for books after they have been approved by the finance committee. He shall make an annual report to the board of the money received and disbursed, and shall make an exhibit of his accounts whenever called upon by the board.

The president shall appoint a standing finance committee, consisting of three members, of whom the mayor shall be one, who shall have charge of all library finances, examine and report upon all bills against the board for books and make an annual investigation and report upon the library fund in the hands of the treasurer. Bills for library expenses, which are to be paid by the city treasurer from the appropriation made for the library by the city councils, shall be approved by the clerk or treasurer after being vouched to him by the librarian.

II. MEETINGS.

Meetings of the board shall be held at the call of the president or by request of any two trustees. Twenty-four hours' notice, either verbal, written or printed to each trustee, shall be sufficient, and any business may be transacted at any meeting. A majority of the members shall constitute a quorum.

III. LIBRARIAN.

The librarian, under the direction of the board of trustees, shall be the chief executive officer of the library. As such, he or she, in person or by assistants appointed under the direction of the board, shall have charge of the library and its administration in all departments, and shall enforce all rules and regulations established for its government, for the care and safety of its property, and for the preservation of order in the library premises. The librarian shall prepare an annual report, showing, as fully as may be practical, the operation of the library during the preceding year, and present the same to the board. When requested the librarian shall attend the meetings of the board, and, if desired, shall assist the clerk in keeping his records and accounts.

No money obligation or debt shall be incurred and no sum be expended by the librarian except such as shall be previously authorized by the board.

RULES AND REGULATIONS.

LIBRARY HOURS.

The library shall be open for the issue and return of books on each week day (holidays excepted) from 10 o'clock A. M. to 8 o'clock P. M., and Saturdays until 9 o'clock P. M. It shall be open Sundays, for reading and reference only, from 11 o'clock A. M. to 5 o'clock P. M.

HOME USE OF BOOKS.

1. Any resident of Manchester, or any non-resident owning property in Manchester, or having a permanent place of business in Manchester, shall be entitled to borrow books from the library for home use upon signing an application blank and furnishing satisfactory reference. Minors under the age of eighteen years shall furnish the written guaranty of a parent or some responsible adult resident of Manchester. Applications must be renewed every five years. Two volumes may be taken out at one time, and, in case of works in volumes, two volumes may be taken as one book. Books may be kept two weeks, except such new books as in the discretion of the librarian shall be limited to one week.

2. Teachers may draw six or more books at a time, at the discretion of the librarian, for the use of their pupils or upon subjects connected with the studies of the school, and they shall be responsible for all books so taken.

3. Persons desiring books for purposes of study or research may be allowed six or more volumes, at the discretion of the librarian, on what may be styled "study pockets." Books taken in this way may be issued for extended periods, but after two weeks shall be subject to recall if wanted by another person.

4. Persons going away on vacations may be allowed six or more books at the discretion of the librarian. These books shall be such as are not in great demand and may be kept for a term specified before they are taken from the library.

FINES.

1. A fine of two cents per day, including Sundays and holidays, shall be required for each volume detained longer than the rules permit. Out of courtesy, a postal card notice will be sent when a book becomes seven days overdue; but no claim to a remission of any part of the fine can be established because of failure to receive such notice. Books retained three weeks over time will be sent for at the borrower's expense.

2. When books issued on study pockets are recalled because wanted by another borrower, a fine of ten cents per day will be charged if they are not returned within the time specified.

3. Injuries to books beyond reasonable wear, and all losses must be made good by the borrower. If one volume of a set shall be lost or damaged, the borrower will be held responsible for the set, unless the lost volume can be satisfactorily replaced. Any book lost shall remain the property of the library, and if ever found shall be returned to it.

RESERVING BOOKS.

Books may be reserved for borrowers by the payment of one cent for a postal card notice. Notices will be mailed in order of application when the desired book shall come in, and the book will be held for the borrower until the hour of closing the library the day next after its return.

AMENDMENT.

These by-laws, rules and regulations may be altered, amended or repealed by a majority vote at any meeting of the board of trustees, provided that specific notice of proposed amendments has been given at a previous meeting of the board.

TREASURER'S REPORT.

ACCOUNT OF EDWIN F. JONES, TREASURER.

		Dr.
1907.		
Jan. 1.	To balance of appropriation for books.....	\$487.87
	Dean fund and accumulated	
	income \$13,683.79	
Dec. 31.	income, 1907, on same..... 485.79	
		14,169.58
Jan. 1.	Mary E. Elliot fund and accu-	
	mulated income \$3,994.01	
Dec. 31.	income, 1907, on same..... 104.65	
		4,098.66
Jan. 1.	Eliza A. Eaton fund and accu-	
	mulated income \$4,154.66	
Dec. 31.	income, 1907, on same..... 108.82	
		4,263.48
April 1.	appropriation for books, 1907.....	1,000.00
Dec. 31.	received F. M. Winchell, librarian, fines,	
	catalogues, books lost and injured, re-	
	quests and miscellaneous..... 350.53	
		\$24,370.12

Cr.

By paid for books:

April 16.	Frank W. Coburn	\$3.50
	Huston's bookstore	1.94
	Grace Blanchard	2.25
	T. P. W. Rogers	3.50
	H. W. Wilson Co.....	20.00
	W. B. Clarke Co.....	10.13
	Temple & Farrington Co. (Dean	
	fund)	184.32
	National Educational Association.	4.00
	Niel Morrow Ladd Book Co.....	2.50
	W. A. Butterfield.....	15.00
	W. P. Goodman	80.00
	W. M. Olin, secretary.....	3.50
	Temple & Farrington Co.....	7.39
May 9.	W. P. Goodman.....	115.04
June 24.	Temple & Farrington Co.....	58.63

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By paid for books:

June 24.	Temple & Farrington Co. (Dean fund)	\$57.40	
	W. B. Clarke Co.....	4.35	
	Frank E. Stevens.....	3.50	
	Mary D. O'Connor.....	3.00	
	R. R. Bowker.....	8.00	
	University of Chicago Press.....	1.47	
	N. E. Hist. Gen. Society.....	60.00	
	C. P. Brooks (Dean fund).....	6.80	
	Henry R. Huntting.....	10.00	
	John D. Morris Co.....	34.50	
	W. P. Goodman.....	121.88	
	T. P. W. Rogers.....	19.48	
Aug. 2.	Temple & Farrington Co.....	206.90	
	Temple & Farrington Co. (Dean fund)	31.47	
	George P. Humphrey.....	.75	
	Burnham's Antique Bookstore....	1.25	
Sept. 11.	Temple & Farrington Co. (Dean fund)	3.34	
	Temple & Farrington Co. (Dean fund)	33.12	
Oct. 10.	Robert Appleton Co.....	81.00	
26.	Temple & Farrington Co.....	109.46	
	N. J. Bartlett & Co.....	9.61	
	W. B. Clarke Co.....	9.00	
Dec. 13.	Temple & Farrington Co. (Dean fund)	221.05	
	Henry R. Huntting (Dean fund)..	87.10	
By paid for periodicals:			
Dec. 13.	Herman Goldberger (Dean fund)	97.90	
	Herman Goldberger	229.47	
	Herman Goldberger (Elliot fund)	7.40	
By paid for books:			
Dec. 13.	Sampson, Murdock Co.....	3.00	
	W. P. Goodman	43.48	
	G. W. Wright, Agt.....	18.00	
	S. C. Gould	3.00	
31.	Old Corner Bookstore (Elliot fund)	100.00	
	W. P. Goodman (Eaton fund)....	128.79	
			\$2,267.17
Dec. 31.	By balance of appropriation for books deposited Merchants' National Bank.....		505.82
	Dean fund and accumulated income:		
	deposit book 16445, Manchester Savings Bank.....	\$3,670.66	

Dec. 31. By deposit book 24442, Manches-		
ter Savings Bank.....	\$3,866.22	
deposit book 75958, Manches-		
ter Savings Bank.....	3,140.44	
deposit book 102, Hillsborough		
County Savings Bank.....	1,944.66	
deposit book 103, Hillsborough		
County Savings Bank.....	598.95	
deposit book 4078, Guaranty		
Savings Bank	210.00	
deposit book, 4557, Guaranty		
Savings Bank	32.85	
		\$13,463.78
By Eliza A. Eaton fund and accumulated in-		
come:		
deposit book 106, Hillsborough		
County Savings Bank.....	\$2,649.32	
deposit book 107, Hillsborough		
County Savings Bank.....	1,113.80	
deposit book 4327, Guaranty		
Savings Bank	300.00	
deposit book 4328, Guaranty		
Savings Bank	71.57	
		4,134.69
By Mary E. Elliot fund and accumulated in-		
come:		
deposit book 104, Hillsborough		
County Savings Bank.....	\$1,752.08	
deposit book 105, Hillsborough		
County Savings Bank.....	1,888.70	
deposit book 2009, Guaranty		
Savings Bank	200.00	
deposit book 2010 Guaranty		
Savings Bank	157.88	
		3,998.66
		\$24,370.12

I have examined the above account of Edwin F. Jones, treasurer of the trustees of the city library, and find the same correctly cast and properly vouched.

JAMES E. DODGE,
City Auditor.

We have examined the above account of Edwin F. Jones, treasurer of the trustees of the city library, and find the same correctly cast and properly vouched.

EUGENE E. REED,
WALTER M. PARKER,
Committee on Accounts of the City Library.

RESOLUTIONS, ORDERS, ORDINANCES
PASSED DURING THE YEAR 1907.

RESOLUTIONS, ORDERS, AND ORDINANCES PASSED DURING THE YEAR 1907.

RESOLUTION recommending an Appropriation for the Purchase of a Combination Hose Wagon for the General Stark Engine House.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of five hundred dollars be and is hereby recommended to the board of common council as an appropriation for the year 1907; said sum of five hundred dollars to be used for the purchase of a modern two-horse hose wagon equipped with two six-gallon and two three-gallon chemical tanks to replace the one-horse reel hose wagon now in use at the General Stark engine house.

Passed January 23, 1907.

RESOLUTION recommending an Appropriation for Paving Central Street from Manhattan Lane east line to Chestnut Street east line.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of twenty-seven hundred and fifty dollars be and is hereby recommended to the board of common council as an appropriation for the year 1907; said sum of twenty-seven hundred and fifty dollars to be used for paving Central street with hassam, macadam, concrete or block paving from the east line of Manhattan lane to the east line of Chestnut street.

Passed January 23, 1907.

RESOLUTION recommending an Appropriation for Macadamizing Calef Road from Baker Street to the Pine Grove Cemetery Gate.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of ten thousand dollars be and is hereby recommended to the board of common council for the year 1907; said sum of ten thousand dollars to be used for macadamizing Calef road from the north line of Baker street to the south line of the Pine Grove cemetery gate; said sum of ten thousand dollars to be known as the appropriation for macadamizing Calef road.

Passed January 23, 1907.

RESOLUTION recommending an Appropriation for Installing Two Public Bathhouses.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of two thousand dollars be and is hereby recommended to the board of common council as an appropriation for the year 1907; said sum of two thousand dollars to be used for the building of a bathhouse on the Merrimack river, near the Industrial School, and a bathhouse on the Piscataquog river, just above the Baldwin bobbin shop; said bathhouses to be opened to the public and maintained during the summer months; and be it further

Resolved, That the sum of four hundred dollars be and is hereby recommended to the board of common council as an appropriation for the year 1907; said sum of four hundred dollars to be used for the care and maintenance of said houses.

Passed January 23, 1907.

RESOLUTION recommending an Appropriation for Installing a School Bell in Amoskeag.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of twelve hundred dollars be and is hereby recommended to the board of common council as an appropriation for the year 1907; said sum of twelve hundred dollars to be used for the purpose of purchasing and installing a forty-four-inch bell in Amoskeag with the necessary machinery, as petitioned for by the residents of Amoskeag to the school board of the city of Manchester.

Passed January 23, 1907.

RESOLUTION recommending an Appropriation for the Boys' Club.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

WHEREAS, The Boys' Club is conducted under the auspices of the Federation of Clubs of the city of Manchester, and the objects of the same to keep boys off the streets of the city and provide a warm place for them with proper reading and games; and

WHEREAS, The said club has an enrolled membership of four hundred and forty-one; and

WHEREAS, The said Federation feels that it is unable to longer continue the club without municipal assistance; therefore be it

Resolved, That the sum of two hundred dollars be and is hereby recommended to the board of common council as an appropriation for the year 1907; said sum of two hundred dollars to be used for the aforesaid purposes and to be known as appropriation for Boys' Club.

Passed January 23, 1907.

RESOLUTION recommending an Appropriation for Macadamizing Amory Street from Main to Kimball Streets.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of twelve thousand five hundred dollars be and is hereby recommended to the board of common council as an appropriation for the year 1907; said sum of twelve thousand five hundred dollars to be used for macadamizing Amory street from Main street to Kimball street, as requested in the petition of P. Hevey, rector of St. Mary's, *et al*.

Passed January 23, 1907.

RESOLUTION recommending an Appropriation for the Orphelinat St. Pierre.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of three hundred dollars be and is hereby recommended to the board of common council as an appropriation for the Orphelinat St. Pierre for the year 1907.

Passed January 23, 1907.

RESOLUTION recommending an Appropriation for the St. Joseph's Boys' Orphanage.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of three hundred dollars be and is hereby recommended to the board of common council as an appropriation for the year nineteen hundred and seven; said sum of three hundred dollars to be for the use of the St. Joseph's Boys' Orphanage.

Passed February 5, 1907.

RESOLUTION recommending an Appropriation for the Alteration of the General Stark Engine House.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of one thousand dollars be and is hereby recommended to the board of common council as an appropriation for the year 1907; said sum of one thousand dollars to be used for the alteration of the General Stark engine house in the event of the board of common council passing an appropriation for the purchase of a two-horse combination hose wagon for the General Stark engine house, as recommended by the board of mayor and aldermen January 23, 1907; said sum of one thousand dollars to be known as appropriation for altering the General Stark engine house.

Passed February 5, 1907.

RESOLUTION recommending an Appropriation for a Public Park in Towlesville.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of five hundred dollars be and is hereby recommended to the board of common council as an appropriation for the year 1907; said sum of five hundred dollars to be used for the purchase of a triangular piece of land situate at the junction of Amherst, Derry and Chester streets in said Manchester and for grading, curbing and sidewalks for the same; said land to be used as a public park or common; said sum of five hundred dollars to be known as appropriation for public park in Towlesville.

Passed February 5, 1907.

RESOLUTION recommending an Appropriation for the West Side Reading Room.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of one hundred dollars be and is hereby recommended to the board of common council as an appropriation for the year 1907; said sum of one hundred dollars to be used by the West Side reading room for the purpose of enlarging the opportunities for the said reading room in educational ways; said sum of one hundred dollars to be known as appropriation for West Side reading room.

Passed February 5, 1907.

RESOLUTION recommending an Appropriation for Macadamizing Valley Street from Beech to Wilson Streets.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of thirty-six hundred dollars be and is hereby recommended to the board of common council as an appropriation for the year 1907; said sum of thirty-six hundred dollars to be used for macadamizing Valley street from the east line of Beech street to the west line of Wilson street; said sum of thirty-six hundred dollars to be known as the appropriation for macadamizing Valley street.

Passed February 5, 1907.

RESOLUTION recommending an Appropriation for Paving Hanover Street from Pine to Union Streets.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of forty-five hundred dollars be and is hereby recommended to the board of common council as an appropriation for the year 1907; said sum of forty-five hundred dollars to be used in paving Hanover street from Pine to Union streets; said paving to be similar as that now in Hanover street from Elm to Pine streets; said sum of forty-five hundred dollars to be known as appropriation for paving Hanover street.

Passed February 5, 1907.

RESOLUTION recommending an Appropriation for the Purchase of a New Two-Horse Hose Wagon and Equipment for the Central Fire Station.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the sum of twelve hundred dollars be and is hereby recommended to the board of common council as an appropriation for the year 1907; said sum of twelve hundred dollars, or such part thereof as may be necessary, to be used for the purchase of a new two-horse hose wagon, horses and harnesses to replace the one-horse reel and equipment known as the "Pennacook Hose Reel," now in use at the Central fire station.

Passed February 5, 1907.

RESOLUTION protesting against the Enactment of any Law by the State Legislature Lessening the Fall in the Merrimack River.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the maintenance of the fall in the Merrimack river from Manchester to Moore's Falls as now existing is necessary for the protection of the property interests situated on the banks of both the Merrimack and Piscataquog rivers; and

WHEREAS, The health of the inhabitants of said city demands that the sewerage of the city of Manchester be not allowed to gather at a point near the said city, and the possibility of the said city being condemned for maintaining a public nuisance thereby; therefore be it

Resolved, That we hereby protest against the enactment of any law by the legislature of the state of New Hampshire by which such fall would be lessened, the health of the citizens of the city of Manchester endangered, or the property on the banks of the Merrimack and Piscataquog rivers subjected to a condition similar to the one now existing between the city of Manchester and the town of Hooksett caused by the rising of the water of the river by ice jams; and be it further

Resolved, That the mayor be and is hereby instructed to forward a copy of this resolution signed by the mayor and attested by the city clerk to the state legislature.

Passed February 25, 1907.

RESOLUTION making a Temporary Loan of Three Hundred Thousand Dollars.

Resolved by the Board of Common Council of the City of Manchester, as follows:

That for the purpose of paying such claims against the city as may fall due before the nineteenth day of December, nineteen hundred and seven, the city treasurer be and hereby is authorized to make such temporary loans from time to time for the use of the city of sums not exceeding the amount of three hundred thousand dollars, being in anticipation of the taxes of the present year; giving for the same the notes of the city signed by the city treasurer and countersigned by the mayor.

Passed February 27, 1907.

RESOLUTION relative to the Exemption from Taxation of a certain Manufacturing Establishment and the Business connected therewith, proposed to be erected by the West Side Company, and Leased to the G. P. Crafts Company, both Corporations duly created and existing under the Laws of the State of New Hampshire, and doing business in the City of Manchester.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

WHEREAS, It is provided by section 11, chapter 55 of the Public Statutes of New Hampshire that "towns may by vote exempt from taxation for a term not exceeding ten years any manufacturing establishment proposed to be erected or put in operation therein, and the capital to be used in operating the same, unless such establishment has been previously exempted from taxation by some town"; and

WHEREAS, The West Side Company proposes to erect an addition to its said factory in Manchester, at a cost approximating ten thousand dollars (\$10,000), and to lease the same to the present lessee of its factory, the said G. P. Crafts Company, to be operated by the latter for the purpose of the manufacture of shoes; therefore be it

Resolved, That the aforesaid addition proposed to be erected by the said West Side Company and the proposed machinery, capital and property to be used in the said addition by the West Side Company or its lessees, be exempted from taxation for a period of ten years from the first day of March, 1907; provided, a shoe industry is conducted on said premises during said period, and is in operation on the first day of March, 1907. Otherwise this resolution shall not be effective; and be it further

Resolved, That this resolution shall take effect upon its passage.

This exemption is granted upon condition that said West Side Company and the said G. P. Crafts Company shall not carry on the retail business of selling boots and shoes in the city of Manchester during the period of said exemption.

Passed February 5, 1907.

RESOLUTION relating to the Issuance of \$50,000 of City Bonds to Refund the Four Per Cent Bonds Maturing April 1, 1907.

Resolved by the Common Council of the City of Manchester, as follows:

That for the purpose of obtaining fifty thousand dollars (\$50,000) with which to pay the fifty thousand dollars (\$50,000) of city bonds now outstanding, bearing four per cent interest, which will become due April 1, 1907, there be issued the bonds of the city of Manchester to the amount of fifty thousand dollars (\$50,000), said bonds to be dated April 1, 1907, and payable to bearer twenty (20) years from the date thereof;

Said bonds to bear the city seal, to be signed by the mayor and countersigned by the city treasurer, and to bear interest at the rate of four (4) per cent per annum, from date, and to have coupons attached bearing the facsimile signature of the city treasurer for the payment of interest, at said rate, semiannually, on the first days of April and October of each year; and the city treasurer is authorized to fix the place of payment of interest and principal of said bonds, and is hereby authorized to sell said bonds, and do all things necessary and proper to complete and carry into effect the issue of said bonds; said bonds to be issued in accordance with an act of the legislature of New Hampshire, passed at the January session, 1895, entitled "An act to authorize municipal corporations to issue bonds."

Resolved further, That for the purpose of paying the interest and principal of said bonds as the same shall become due, there shall be annually raised by tax by the common council in the years of 1907 to 1927, inclusive, such sum of money as shall be sufficient to meet the interest upon the bonds each year outstanding; and a further sum of twenty-five hundred dollars (\$2,500) each year for a sinking fund for the payment of the principal of said bonds as it shall become due, until a sufficient sinking fund has been so raised, the same to be turned over to the board of sinking fund commissioners created by ordinance of November 17, 1893, and applied to the payment of said bonds.

Resolved further, That the city treasurer be and hereby is instructed and authorized to advertise for bids for sale of said bonds, and that the finance committee of the common council be present at the opening of the bids with power to accept or reject the same.

This resolution shall take effect upon its passage.

Passed March 6, 1907.

RESOLUTION relating to Interest on Deposits of the City of Manchester.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the moneys of the city of Manchester be deposited in such bank or banks in said city as shall pay the largest rate of interest to said city of Manchester upon daily balances in said bank or banks from the first day of May, 1907, to the first day of May, 1908; and that the city treasurer be and hereby is instructed to advertise for bids from the banks of the city of Manchester by sending to each of said banks a copy of this resolution; the city of Manchester, by its agent, the treasurer of said city, reserving the right to reject any and all bids and call for such other bids as may be necessary to carry out the intent of this resolution; and be it further

Resolved, That the mayor and the treasurer of said city of Manchester are hereby authorized and empowered to accept such bid or bids

as will give the city of Manchester the largest rate of interest upon the daily balances on deposits of the moneys of said city of Manchester in said bank or banks from the first day of May, 1907, to the first day of May, 1908; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed April 2, 1907.

RESOLUTION relating to the Selling of the Personal Property contained in the Buildings of the City Farm and House of Correction.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

WHEREAS, The personal property contained in the buildings at the city farm and house of correction situate on Mammoth road, so called, in said Manchester, is, by reason of its non-use, becoming spoiled and impossible of preservation; therefore be it

Resolved, That the mayor and committee on city farm and house of correction be and are hereby authorized and empowered to sell at public auction any or all clothing, household furniture, and farming implements now situate in the buildings at said farm and house of correction, as in the opinion of said mayor and committee is deemed desirable; and be it further

Resolved, That the intent of this resolution is to include any or all of the personal property so situate of whatever kind or nature; and be it further

Resolved, That the expense of said sale or disposition be charged to the appropriation known as the appropriation for city farm, and that this resolution shall take effect upon its passage.

Passed July 2, 1907.

RESOLUTION relating to the Death of John A. Barker, Messenger of the City of Manchester.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

WHEREAS, Almighty God, in his infinite wisdom, has seen fit to remove from our midst our friend and fellow servant, John A. Barker, who for thirty-one years performed the duties of the office of messenger of the city of Manchester with fidelity as an official and uniform courtesy to his associates; therefore be it

Resolved, That in his death we have lost an official who was courteous in his disposition, gentlemanly in his bearing, painstaking in his work, and respected and honored by all with whom he came in contact; and be it further

Resolved, That we sincerely mourn his demise and tender to his family and friends our heartfelt sympathy in their great bereavement, and deplore the loss which the city of Manchester has sustained in his death; and be it further

Resolved, That this memorial be spread upon our records and a copy thereof be sent to his stricken widow and children, and may the grief which has come to them be assuaged by the knowledge that their sorrow is shared by all who knew him.

Passed September 23, 1907.

RESOLUTION relating to the Office Hours of certain City Hall Officials.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the mayor be and is hereby instructed to change the office hours of certain city hall officials so that the office of the city clerk, city treasurer, collector of taxes, chief engineer, board of assessors, and board of street and park commissioners shall be open for the transaction of public business from nine o'clock in the morning to five o'clock in the afternoon continuously; and on Thursday evening from seven o'clock to nine o'clock; said hours shall not apply, however, to Saturdays of each year from the 15th day of April to the first day of November; the office hours of such Saturdays shall be from nine o'clock in the morning to twelve o'clock noon; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed September 27, 1907.

RESOLUTION authorizing the Leasing of a part of the City Farm, so called, in the City of Manchester.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the mayor and committee on city farm be and are hereby authorized and empowered to lease for a term of years, not exceeding ten, a certain tract of land in the city of Manchester and buildings situate thereon, described as follows: Beginning at the intersection of the easterly line of the Mammoth road with the southerly line of Bridge street extension; thence southerly along the easterly line of said Mammoth road to the northerly line of the passageway running between the barn and the tool house extended westerly to the said Mammoth road; thence easterly along the northerly line of said passageway extended easterly to the wall between the pasture and swamp; thence northerly along said wall to the southerly line of Bridge street

extension; thence westerly along the southerly line of said Bridge street extension to the point of beginning; containing ten acres, more or less, with the right to use said passageway; and be it further

Resolved, That in case said mayor and committee execute said lease, all repairs or alterations upon the said buildings shall be made under the authority and direction of the said mayor and committee and at the expense of the lessee; and be it further

Resolved, That the said mayor and committee be and are hereby instructed to require the lessee to furnish a suitable bond for the faithful performance of his contract, and if the said land and buildings are leased, the same shall be done only by open competition, and authority is hereby given the mayor and said committee to reject any and all bids; and be it further

Resolved, That the intent of this resolution is not to include the barn and other buildings on said city farm situated south of said passageway; and be it further

Resolved, That this resolution shall take effect upon its passage.

Passed October 1, 1907.

RESOLUTION relating to a Side Track of the Portsmouth Branch of the Boston & Maine Railroad across Silver Street, as proposed.

Resolved by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

THAT, WHEREAS, A petition has been filed with the board of mayor and aldermen to lay out Silver street from Lincoln street to Maple street in said city, past the premises of the Queen City Land and Building Association and the F. M. Hoyt Shoe Company at the corner of said Lincoln and Silver streets; and

WHEREAS, There is now constructed on said Silver street a side track in the Portsmouth branch of the Boston & Maine Railroad, which side-track enters said street on the southerly side thereof at points distant from the westerly line of said Lincoln street to the easterly rail of said side track on the southerly line of said Silver street three hundred forty-seven (347) feet, and distant from the westerly line of said Lincoln street to the westerly rail of said side track on the southerly line of said Silver street, three hundred fifty-seven (357) feet; thence crossing said street by a curve to points on the northerly line of said Silver street distant from the westerly line of said Lincoln street to the easterly rail of said side track one hundred ninety (190) feet, and from the westerly line of said Lincoln street to the westerly rail of said side track two hundred twenty (220) feet, as shown on a plan made by Samuel J. Lord, city engineer, November 22, 1907, now on file in the city engineer's office, which plan is hereby referred to and made a part of this resolution; and

WHEREAS, Said sidetrack is necessary for the accommodation of said F. M. Hoyt Shoe Company and said Queen City Land and Building Association,

NOW, THEREFORE, in consideration of the waiver by said Queen City Land and Building Association and said F. M. Hoyt Shoe Company of all claim for damages consequent on the laying out of said Silver street, as proposed, leave be and it hereby is granted to the Boston & Maine Railroad and to said F. M. Hoyt Shoe Company and said Queen City Land and Building Association to continue, maintain and operate said sidetrack as now constructed over and across said street.

Passed November 29, 1907.

AN ORDER to build a certain Sewer in Springview Avenue from the sewer line of Somerville Street two hundred (200) feet northerly.

Ordered, That the board of street and park commissioners be and are hereby authorized to build a certain sewer as follows: Commencing at the sewer line of Somerville street; thence in a northerly direction two hundred (200) feet in Springview avenue; and the expense thereof to be charged to the appropriation for new sewers.

Passed February 5, 1907.

AN ORDER to build a certain Sewer in Thornton Street from the sewer line of Wayne Street to the sewer line of Janelle Avenue.

Ordered, That the board of street and park commissioners be and are hereby authorized to build a certain sewer as follows: Commencing at the sewer line of Wayne street; thence in a northerly direction to the sewer line of Janelle avenue in Thornton street; and the expense thereof to be charged to the appropriation for new sewers.

Passed February 5, 1907.

AN ORDER to build a certain Sewer in Hayward Street from the sewer line of Union Street two hundred and seventy (270) feet easterly.

Ordered, That the board of street and park commissioners be and are hereby authorized to build a certain sewer as follows: Commencing at the sewer line of Union street; thence in an easterly direction two hundred and seventy (270) feet in Hayward street; and the expense thereof to be charged to the appropriation for new sewers.

Passed February 5, 1907.

AN ORDER to purchase Hay, Straw, and Grain for use in the Fire Department.

Ordered, That the mayor and committee on fire department be and are hereby instructed to purchase all hay, straw, and grain used in the fire department of the city of Manchester for the ensuing year: the expense thereof to be charged to the appropriation for fire department.

Passed February 13, 1907.

AN ORDER to purchase Hose for the use of the Fire Department.

Ordered, That the mayor and committee on fire department be and are hereby authorized to purchase forty-five hundred feet of hose for the use of the fire department of the city of Manchester; the expense thereof to be charged to the appropriation for fire department.

Passed February 13, 1907.

AN ORDER to print the Sixty-first Annual Report of the Receipts and Expenditures of the City of Manchester.

Ordered, That the committee on finance be and is hereby authorized to procure for the use of the inhabitants of said city the printing of the sixty-first annual report of the receipts and expenditures of the city of Manchester, including the reports of the city auditor, the school board and superintendent of schools, superintendent of water-works, water commissioners, engineer of fire department, overseers of the poor, trustees, librarian, and treasurer of the city library, committee on cemeteries, committee on city farm, city physician, city solicitor, city engineer, street and park commissioners, and such other matter relative to city affairs as said finance committee may direct; the expense thereof to be charged to the appropriation for printing and stationery.

Passed February 13, 1907.

AN ORDER relating to Repairs on Public Buildings.

Ordered, That the mayor and committee on lands and buildings be and are hereby authorized and empowered to make such necessary repairs in and upon the public buildings of said city as shall not exceed the appropriation for that purpose; the expense thereof to be charged to the appropriation for repairs on public buildings.

Passed February 13, 1907.

AN ORDER to purchase Fifteen Horses for the use of the Fire Department.

Ordered, That the mayor and committee on fire department be and are hereby authorized to purchase fifteen horses for the use of the fire department of the city of Manchester; the expense thereof to be charged to the appropriation for fire department.

Passed February 13, 1907.

AN ORDER to build a certain Sewer in Spruce Street from the sewer line of Kenney Street two hundred and thirty-four (234) feet west-erly.

Ordered, That the board of street and park commissioners be and are hereby authorized to build a certain sewer as follows: Commencing at the sewer line of Kenney street and thence in a westerly direction two hundred and thirty-four (234) feet in Spruce street; and the expense thereof to be charged to the appropriation for new sewers.

Passed April 2, 1907.

AN ORDER to install Three Incandescent Lights on the Amoskeag Bridge Walk.

Ordered, That the committee on lighting streets be and is hereby authorized and empowered to install three incandescent lights on the Amoskeag bridge walk, as petitioned for in the petition of J. H. Hammer, *et al.*; the expense thereof to be charged to the appropriation for lighting streets.

Passed April 2, 1907.

AN ORDER to equip the new Engine House on Somerville Street with Fire Apparatus, Fixtures and Furniture.

Ordered, That the mayor and committee on fire department be and are hereby authorized and empowered to purchase the necessary fire apparatus, fixtures and furniture for the new engine house located on Somerville street; the amount thereof not to exceed the appropriation made for that purpose; the expense thereof to be charged to the appropriation for equipping and maintenance of ward 10 engine house.

Passed April 24, 1907.

AN ORDER to purchase a new Two-Horse Hose Wagon, Horses and Harnesses for use at the Central Fire Station.

Ordered, That the mayor and committee on fire department be and are hereby authorized and empowered to purchase a new two-horse hose wagon, horses and harnesses for use at the Central fire station; the expense thereof not to exceed the sum of twelve hundred dollars; said sum of twelve hundred dollars to be charged to the appropriation for new two-horse hose wagon and equipment for Central fire station.

Passed April 24, 1907.

AN ORDER to build a Public Bathhouse on the Piscataquog River at or near the terminus of Douglas Street.

Ordered, That the mayor and committee on lands and buildings be and are hereby authorized and empowered to build a public bathhouse to be located on the Piscataquog river at a point near Douglas street, where the land of the city of Manchester borders the said river; the expense thereof not to exceed the amount appropriated for that purpose; the expense thereof to be charged to the appropriation for public bathhouse and maintenance.

Passed April 24, 1907.

AN ORDER to build a certain Sewer in Bridge Street from the sewer line of Weston Street to the sewer line of Highland Street.

Ordered, That the board of street and park commissioners be and are hereby authorized to build a certain sewer as follows: Commencing at the sewer line of Weston street and thence in an easterly direction to the sewer line of Highland street in Bridge street; and the expense thereof to be charged to the appropriation for new sewers.

Passed April 24, 1907.

AN ORDER to build a certain Sewer in Brook Street from the sewer line of Maple Street to the sewer line of Oak Street.

Ordered, That the board of street and park commissioners be and are hereby authorized to build a certain sewer as follows: Commencing at the sewer line of Maple street and thence in an easterly direction to the sewer line of Oak street in Brook street; and the expense thereof to be charged to the appropriation for new sewers.

Passed June 4, 1907.

AN ORDER to build a certain Sewer in Maple Street from the sewer line of Blodget Street to the sewer line of Brook Street.

Ordered, That the board of street and park commissioners be and are hereby authorized to build a certain sewer as follows: Commencing at the sewer line of Blodget street and thence in a southerly direction to the sewer line of Brook street in Maple street; and the expense thereof to be charged to the appropriation for new sewers.

Passed June 4, 1907.

AN ORDER to build a certain Sewer in Amherst street from the sewer line of Beacon Street to the sewer line of Hubbard Street.

Ordered, That the board of street and park commissioners be and are hereby authorized to build a certain sewer as follows: Commencing at the sewer line of Beacon street and thence in an easterly direction to the sewer line of Hubbard street in Amherst street in said city; and the expense thereof to be charged to the appropriation for new sewers.

Passed June 4, 1907.

AN ORDER to build a certain Sewer in Clough Avenue from the sewer line of Spruce Street in a southerly direction two hundred and twenty-five (225) feet.

Ordered, That the board of street and park commissioners be and are hereby authorized to build a certain sewer as follows: Commencing at the sewer line of Spruce street and thence in a southerly direction 225 feet in Clough avenue in said city; and the expense thereof to be charged to the appropriation for new sewers.

Passed July 26, 1907.

AN ORDER to build a certain Sewer in Mast Road from the north-westerly terminus of the sewer north of Fogg Avenue to the sewer line of Wilkins Street.

Ordered, That the board of street and park commissioners be and are hereby authorized to build a certain sewer as follows: Commencing at the northerly terminus of the present sewer north of Fogg avenue; thence in a northwesterly direction to the sewer line of Wilkins street in Mast road in said city; and the expense thereof to be charged to the appropriation for new sewers.

Passed July 26, 1907.

AN ORDER to erect Nine Electric Lights.

Ordered, That the committee on lighting streets be and is hereby authorized and empowered to erect nine electric arc lights with proper fixtures for maintaining the same; the expense thereof to be charged to the appropriation for lighting streets; said lights to be located as follows:

On Coolidge avenue, opposite the house of F. P. Nourie, as petitioned for by A. M. Menard, *et al.*; corner of Wayne and Thornton streets, as petitioned for by Joseph Pepin, *et al.*; junction of Donald and Milford streets and Rochelle avenue, as petitioned for by Bernard Wolf, *et al.*; corner of Wilson and Harvard streets, as petitioned for by Henri Goyette, *et al.*; corner of Woodbine avenue and Candia road, as petitioned for by John O'Sullivan, *et al.*; corner of Taylor and Dix streets, as petitioned for by C. S. Magoon, *et al.*; on Brooklyn avenue between Cypress and Jewett streets, as petitioned for by Robert Wylie, *et al.*; corner of Kenney and East Spruce streets, as petitioned for by Owen Kenney, *et al.*; corner of Hall and Auburn streets, as petitioned for by Robert J. Hayes, *et al.*

Passed September 3, 1907.

AN ORDER to erect Eight Welsbach Gas Lights.

Ordered, That the committee on lighting streets be and is hereby authorized and empowered to erect eight Welsbach gas lights with proper fixtures for maintaining the same; the expense thereof to be charged to the appropriation for lighting streets; said lights to be located as follows:

On Cleveland street, east of Second street, instead of at the corner of Cleveland and Hiram streets, as petitioned for by Anna Custer; corner of Valley and Willow streets, as petitioned for by M. Ryan; junction of Weston road and Willow street, as petitioned for by William Cahill; corner of Frederick and Dartmouth streets, as petitioned for by Reinhold Babel, *et al.*; corner of Brown avenue and Calef road, as petitioned for by John F. Calef, *et al.*; corner of Cross street and Mammoth road, as petitioned for by C. M. Dodge; corner of Springview avenue and Somerville street, as petitioned for by C. W. Danforth, *et al.*; on Chase avenue, corner of Hayes avenue, in place of an electric light, as petitioned for by William W. McIntosh, *et al.*

Passed September 3, 1907.

AN ORDER to install a Fire-Alarm Box at the corner of Winter and Parker Streets.

Ordered, That the committee on fire department be and is hereby authorized and empowered to install a fire-alarm box at the corner

of Winter and Parker streets, as petitioned for by G. M. Boucher and others, with proper fixtures for operating the same; the expense thereof to be charged to the appropriation for fire department.

Passed September 3, 1907.

AN ORDER to build a certain Sewer in Prescott Street from the easterly terminus of the present sewer in Prescott Street, east of Wilson Street easterly about 236 feet to the sewer line of Hall Street in Prescott Street.

Ordered, That the board of street and park commissioners be and are hereby authorized to build a certain sewer as follows: Commencing at the easterly terminus of the sewer in Prescott street, between Wilson and Hall streets, and thence in an easterly direction to the sewer line of Hall street in Prescott street in said city; and the expense thereof to be charged to the appropriation for new sewers.

Passed October 1, 1907.

AN ORDER to build a certain Sewer in Reed East Back Street from the sewer line of Kelley Street to the sewer line of Amory Street.

Ordered, That the board of street and park commissioners be and are hereby authorized to build a certain sewer as follows: Commencing at the sewer line of Kelley street and thence in a southerly direction to the sewer line of Amory street in Reed east back street in said city; and the expense thereof to be charged to the appropriation for new sewers.

Passed October 1, 1907.

AN ORDER to erect Four Welsbach Gas Lights.

Ordered, That the committee on lighting streets be and is hereby authorized and empowered to erect four Welsbach gas lights, with proper fixtures for maintaining the same; the expense thereof to be charged to the appropriation for lighting streets; said lights to be located as follows:

On Amherst street, midway between Ashland and Hall streets, as petitioned for by C. D. Barnard, and others; on Merrimack street, midway between Maple and Lincoln streets, as petitioned for by J. W. Barrett, and others; corner of Adams and Trenton streets, as petitioned for by Fred K. Ramsey, and others; corner of Stark street and Hampshire lane, in place of an electric light petitioned for by Ernest W. Wiesner, and others.

Passed November 5, 1907.

AN ORDER to erect Two Electric Arc Lights.

Ordered, That the committee on lighting streets be and is hereby authorized and empowered to erect two electric arc lights with proper fixtures for maintaining the same; the expense thereof to be charged to the appropriation for lighting streets; said lights to be located as follows:

Corner of Crown street and Park avenue, as petitioned for by E. S. George, and others; corner of Taylor street and Cilley road, as petitioned for by Daniel S. Kimball, and others.

Passed November 5, 1907.

AN ORDER to purchase Harnesses for use of the Fire Department.

Ordered, That the mayor and committee on fire department be and are hereby authorized and empowered to purchase a single, double and triple harness for use in the fire department; the expense thereof to be charged to the appropriation for fire department.

Passed November 5, 1907.

AN ORDER to erect Four Electric Lights.

Ordered, That the committee on lighting streets be and is hereby authorized to erect four electric lights with proper fixtures for maintaining the same; the expense thereof to be charged to the appropriation for lighting streets; said lights to be located as follows:

Corner of Russell and Prospect streets, as petitioned for by Edward H. Chadbourne, *et al.*; corner of Myrtle and Linden streets, as petitioned for by Joseph L. Hosmer, *et al.*; corner of Goffstown road and Taggart street, as petitioned for by Maxwell Ice Company, *et al.*; on South Beech street near Gold street, as petitioned for by Frank Webster, *et al.*

Passed November 13, 1907.

AN ORDER to erect Eight Welsbach Gas Lights.

Ordered, That the committee on lighting streets be and is hereby authorized to erect eight Welsbach gas lights with proper fixtures for maintaining the same; the expense thereof to be charged to the appropriation for lighting streets; said lights to be located as follows:

Corner of Knowlton and Hayward streets, as petitioned for by James F. White, *et al.*; corner of Ashland and Pearl streets, in place of an electric light, as petitioned for by Patrick J. Connor, *et al.*; corner of Mammoth and Derry roads below Cohas brook, as petitioned for by

Milton C. Paige, *et al.*; on Derry road in front of Lester Paige's house, as petitioned for by Milton C. Paige, *et al.*; corner of Conant and Corning roads, as petitioned for by Milton C. Paige, *et al.*; on Derry road in front of District School No. 9, as petitioned for by Milton C. Paige, *et al.*; corner of Salmon and Walnut streets, in place of an electric light, as petitioned for by Maurice Hoffman, *et al.*; on Brown avenue, near residence of George B. Forsaith, as petitioned for by John F. Cahill, *et al.*

Passed November 13, 1907. _____

AN ORDER installing an additional Incandescent Light on the Amoskeag Bridge Walk.

Ordered, That the committee on lighting streets be and is hereby authorized and empowered to erect an additional incandescent light on the Amoskeag bridge walk so as to make said lights number four in place of three; the expense thereof to be charged to the appropriation for lighting streets.

Passed December 23, 1907. _____

AN ORDER to erect Four Electric Lights.

Ordered, That the committee on lighting streets be and is hereby authorized to erect four electric lights with proper fixtures for operating the same; the expense thereof to be charged to the appropriation for lighting streets; said lights to be located as follows:

Corner of Walnut and Salmon streets; corner of Lake avenue and Mammoth road; corner of Hubbard and Amherst streets; at the dump on Putnam street.

Passed December 23, 1907. _____

AN ORDER to erect a Welsbach Gas Light.

Ordered, That the committee on lighting streets be and is hereby authorized and empowered to erect a Welsbach gas light with proper fixtures for operating the same; the expense thereof to be charged to the appropriation for lighting streets; said light to be located as follows:

On Second street between Cleveland and Hancock streets.

Passed December 23, 1907. _____

AN ORDER to purchase a Triple Harness for use at the Somerville Street Engine House.

Ordered, That the mayor and committee on fire department be and are hereby authorized and empowered to purchase a triple harness

for the use of the fire department; said harness to be used on the exercise wagon at the new engine house on Somerville street in said Manchester; the expense thereof to be charged to the appropriation for fire department.

Passed December 23, 1907.

AN ORDER to erect a Fire-Alarm Box at the corner of Merrimack and Wilson Streets.

Ordered, That the committee on fire department be and is hereby empowered and authorized to erect a fire-alarm box at the corner of Merrimack and Wilson streets with proper fixtures for operating the same; the expense thereof to be charged to the appropriation for fire department.

Passed December 23, 1907.

AN ORDINANCE in amendment of Section 11, Chapter 6 of the Laws and Ordinances of the City of Manchester, relating to the Duties of the Clerk of the Common Council.

Be it ordained by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

SECTION 1. Amend section 11, chapter 6 of the Laws and Ordinances of the city of Manchester by striking out the whole of said section and inserting in place thereof the following:

"SECT. 11. The clerk of the board of common council, in addition to his duties as clerk of that board, shall be clerk of all standing and special committees of the board of common council. He shall attend their sessions and keep a record of their acts, votes, and proceedings, which record shall be preserved by him as public records of the city, and perform such other services in his office as clerk of committees as the said committees shall require. He shall receive in full for his services, and for all the duties appertaining to his office, fifty dollars per annum, payable in equal quarterly payments."

SECT. 2. This ordinance shall take effect upon its passage and all ordinances or parts of ordinances inconsistent with this ordinance are hereby repealed.

Passed to be ordained February 5, 1907.

AN ORDINANCE in amendment of Section 17, Chapter 19, of the Laws and Ordinances of the City of Manchester, relating to the erection of a Glass Awning over the Sidewalks in Amherst and Elm Streets, in front of the store of William Marcotte.

Be it ordained by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

SECTION 1. Amend section 17 of chapter 19 of the Laws and Ordinances of the city of Manchester for the purpose of allowing William Marcotte to erect and maintain a glass awning over the sidewalks in Amherst and Elm streets in said Manchester in front of the store at the corner of the said streets known as the William Marcotte store; said awning to be eight feet in width and fifty feet in length in Elm street and seven feet in width and fifty-eight feet in length in Amherst street.

Sections 18 and 20 of chapter 19 of the Laws and Ordinances of the city of Manchester shall not apply to the proposed glass awning.

The intent of this ordinance is to allow William Marcotte to erect and maintain a glass awning in front of his store at the corner of Amherst and Elm streets, provided said awning is safely fixed and strongly supported and the lowest part thereof at least eight feet in height above the sidewalks.

SECT. 2. This ordinance shall take effect on and after its passage.

Passed to be ordained December 3, 1907.

AN ORDINANCE changing the name of Bald Hill Road to Wellington Road.

Be it ordained by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

That the names of certain streets in the city of Manchester be changed as follows:

Bald Hill road, running from Bridge street extension to the Auburn town line, to Wellington road.

Passed to be ordained December 23, 1907.

AN ORDINANCE in amendment of Section 11, Chapter 6 of the Laws and Ordinances of the City of Manchester, relating to the Salary of the Clerk of the Common Council.

Be it ordained by the Mayor and Aldermen of the City of Manchester, in City Council assembled, as follows:

SECTION 1. Amend section 11, chapter 6 of the Laws and Ordinances of the city of Manchester passed by the board of mayor and aldermen February 5, 1907, in the eighth line thereof after the word "office" by striking out the word "fifty," and inserting in place thereof the words "one hundred" so that said section as amended shall read as follows:

"SECT. 11. The clerk of the board of common council, in addition to his duties as clerk of said board, shall be clerk of all standing and special committees of the board of common council. He shall attend their sessions and keep a record of their acts, votes, and proceedings, which record shall be preserved by him as public records of the city, and perform such other services in his office as clerk of committees as the said committees shall require. He shall receive in full for his services, and for all the duties appertaining to his office, one hundred dollars per annum, payable in equal quarterly payments."

SECT. 2. This ordinance shall take effect and be in force on and after the first Tuesday in January, 1907, and all ordinances and parts of ordinances inconsistent with this ordinance are hereby repealed.

Passed to be ordained December 23, 1907.

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